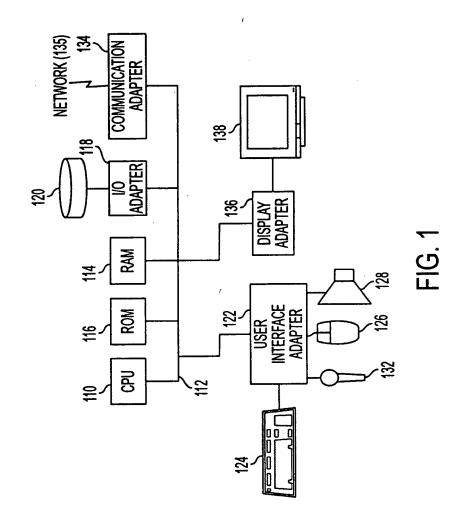
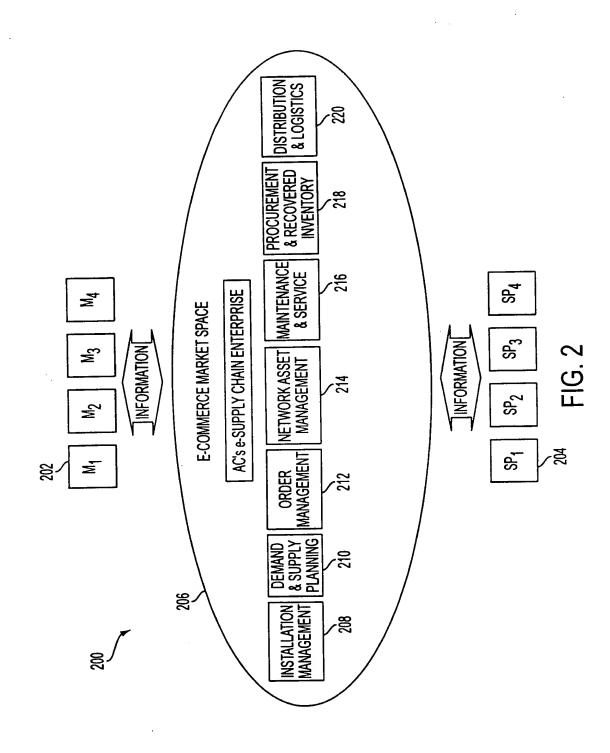


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MANAGING INSTALLATION OF A SERVICE UTILIZING A NETWORK

PLANNING DEMAND AND SUPPLY OF MANUFACTURER
OFFERINGS UTILIZING THE NETWORK

MANAGING ORDERS FOR THE MANUFACTURER OFFERINGS
UTILIZING THE NETWORK

306

UTILIZING THE NETWORK TO MANAGE NETWORK ASSETS

PROVIDING MAINTENANCE AND SERVICE FOR THE NETWORK
ASSETS UTILIZING THE NETWORK

310

FIG. 3



	997		408	410	412	414	416
			INSTALLATION MANAGEMENT	DEMAND & SUPPLY PLANNING	ORDER MANAGEMENT	NETWORK ASSET MANAGEMENT	MAINTENANCE AND SERVICE
		FASTER TIME TO SITE INTEGRATION	Sp				
405	REVENUE	•				S	S ds
	ENHANCEMENT	RAPID INTEGRATION OF ACQUISITION	g _S	යි		ඌ	
		FASTER ORDER TO CASH			W		al .
		DUPLICATION REDUCTION	SP	SP M	SP M		Σ
•		DISTRIBUTION FACILITY RATIONALIZATION		ŞP M			SP M
404	REDUCTION	PROCUREMENT RATIONALIZATION	S ds	ds			
		· SIMPLIFIED PROCESSES			SP	S.	
		· TRANSPORTATION RATIONALIZATION	SP				
301	CAPITAL	· REDUCED INVENTORIES	SP M	SP M			
400 /	REDUCTION	· MANUFACTURING CAPACITY UTILIZATION		SP	W		
				i			

FIG. 4

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FIG. 5



(204 SFRVICE	PROVIDER				
	216	MAINTENANCE AND SERVICE			PROACTIVE MANAGEMENT SCHEDULING AND PLANNING INCREASED INCREASED INCREASED VISIBILITY			PLANNING TOOL NETWORK TRACKING INTERFACE		
9 1 1	214~	NETWORK ASSET MANAGEMENT	HARMONIZATION			PPRODUCT LAUNCH/ROLLOUT PTECHNOLOGY SHARING		DELIFE CYCLE MANAGEMENT MODEL	PLANNING TOOL	
eSUPPLY MARKET SPACE	212~	ORDER MANAGEMENT	END TO END PROCESS VISIBILITY AND HARMONIZATION		o INCREASED VISIBILITY TRACKING AND STATUS ORDER CAPTURE STANDARDIZATION/ COMPLIANCE	VG DRY		oelectronic Passet Trak Order Capture Tool electronic-Based-Life Cycle Order Flow Manageme Order Tracking Model	OPERATIONS LINK	FIG. 6
Se	210	DEMAND & SUPPLY PLANNING	END TO END PRO			COORDINATION COLLABORATIVE CAPACITY PLANNING PREVERSE INVENTORY MANAGEMENT TECHNOLOGY SHARING		-SUPPLY CHAIN PLANNING TOOL -PRODUCTION PLANNING TOOL -ROLL-OUT	PLANNING 100L	
	208	INSTALLATION MANAGEMENT		NEW CAPABILITIES	COLLABORATIVE MANAGEMENT MILESTONE BASED PROJECT PLANNING VISIBILITY HARDWARE SERVICES		MAIN ENABLERS	COLLABORATIVE PLANNING TOOL NEW INSTALLATION PROCESSES)	206
	<i>></i>					MANUFACTURER				١



RECEIVING INFORMATION FROM AT LEAST ONE SERVICE PROVIDER UTILIZING A NETWORK, WHEREIN THE INFORMATION OF THE AT LEAST ONE SERVICE PROVIDER INCLUDES INFORMATION RELATING TO THE SERVICE PROVIDED BY THE SERVICE PROVIDER

RECEIVING INFORMATION FROM AT LEAST ONE MANUFACTURER UTILIZING THE NETWORK, WHEREIN THE INFORMATION OF THE MANUFACTURER INCLUDES INFORMATION RELATING TO MANUFACTURER OFFERINGS

~702

~704

~706

- 708

MATCHING THE SERVICE TO THE MANUFACTURER OFFERINGS

UTILIZING THE SERVICE AND MANUFACTURER OFFERINGS INFORMATION TO MANAGE INSTALLATIONS

FIG. 7



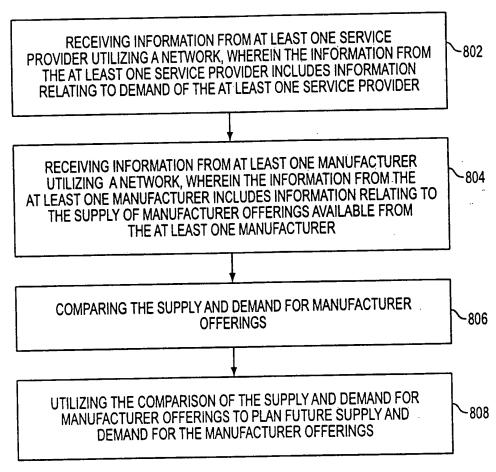


FIG. 8



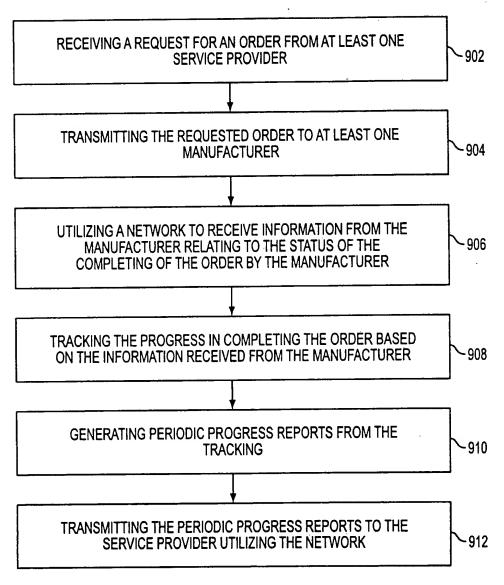


FIG. 9



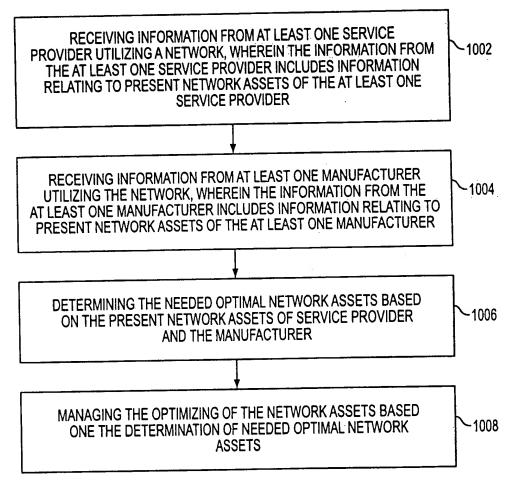


FIG. 10



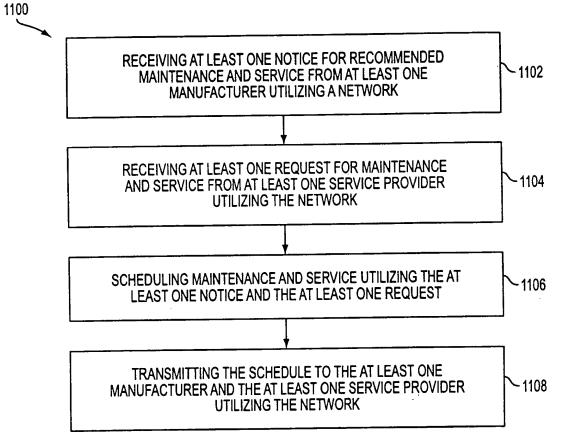
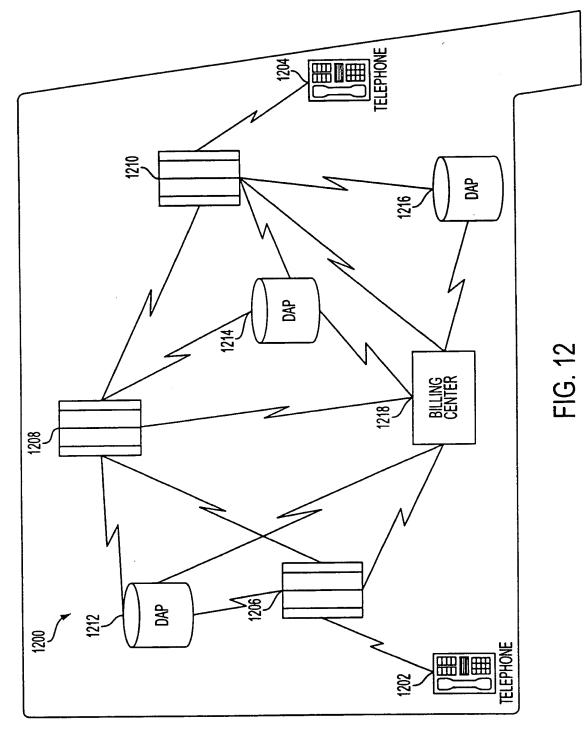
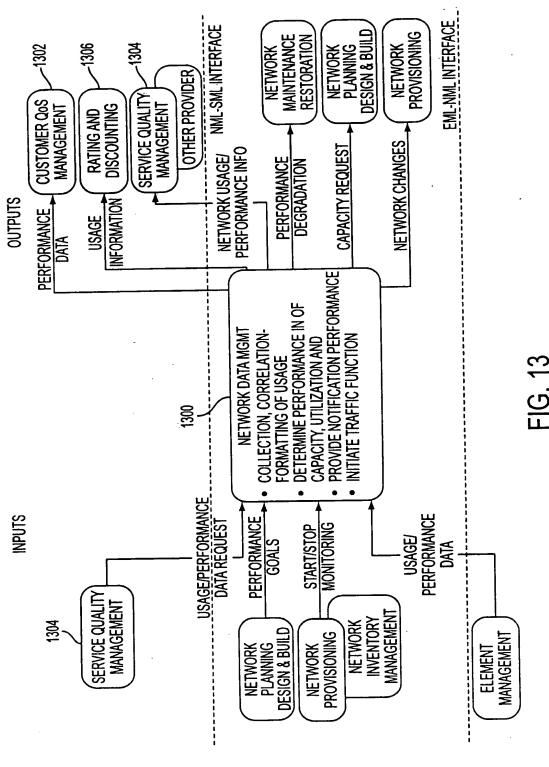


FIG. 11











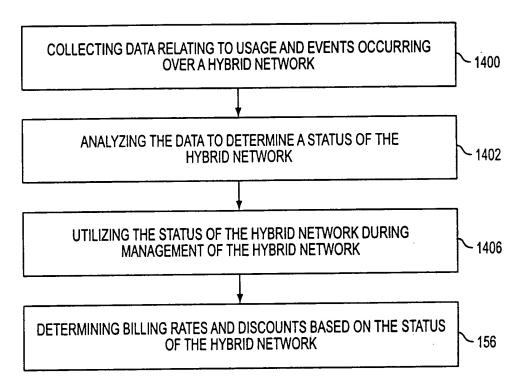
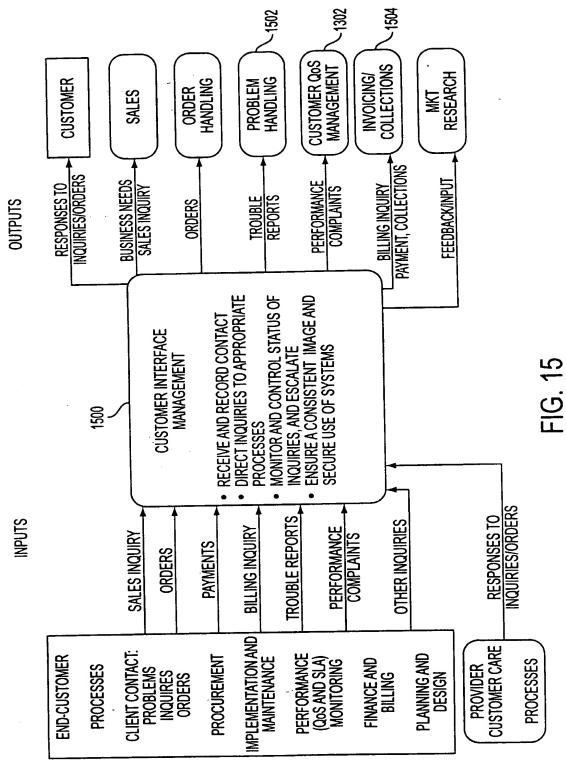


FIG. 14







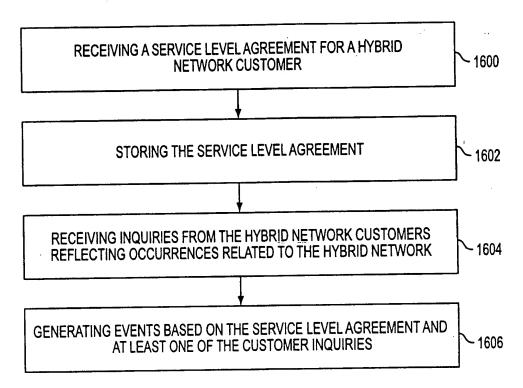
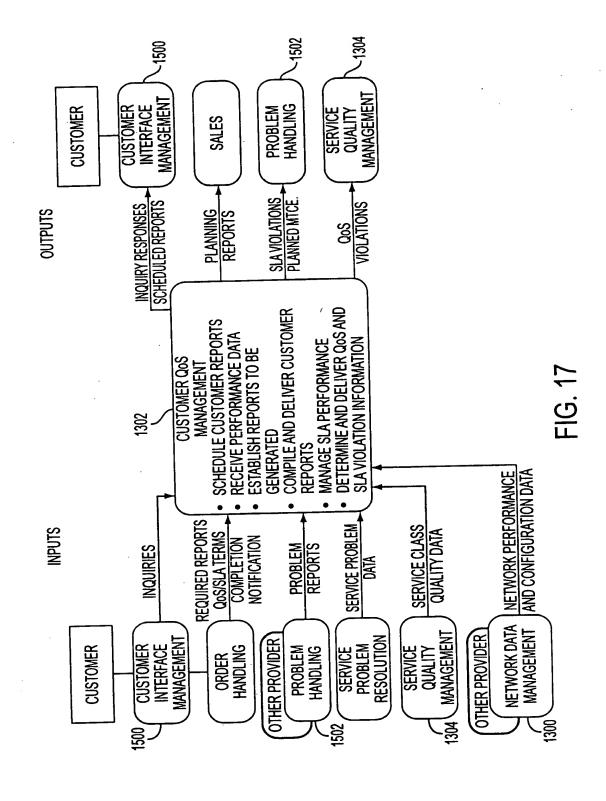


FIG. 16







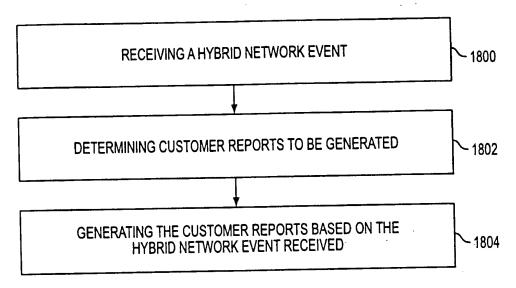
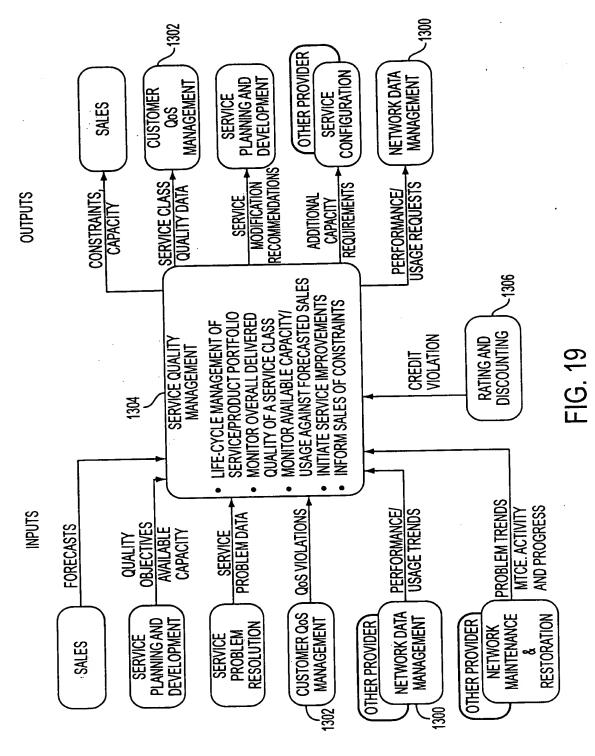


FIG. 18







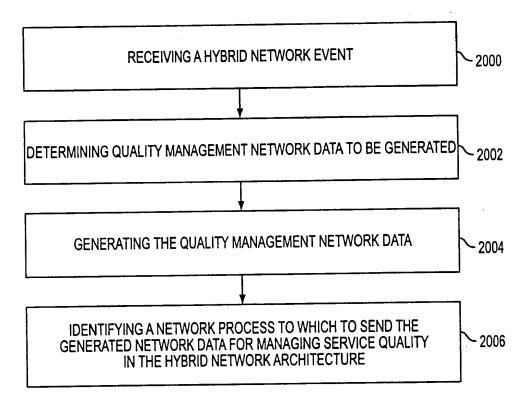
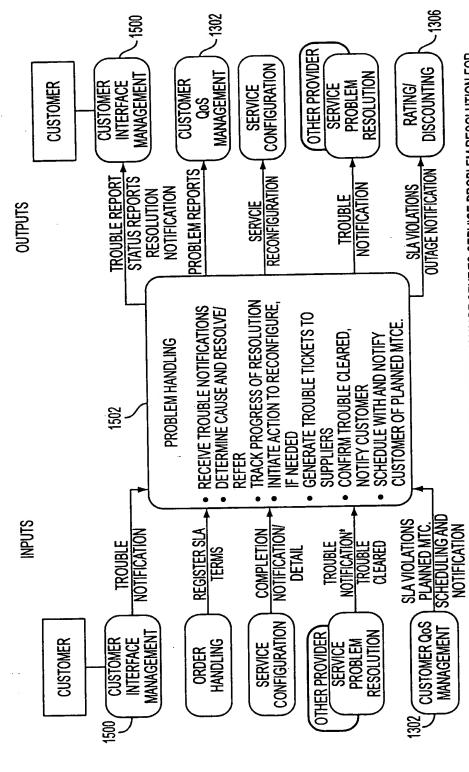


FIG. 20





* WHEN A TROUBLE IS REPORTED BY THE CUSTOMER, A TROUBLE REPORT MAY BE SENT TO SERVICE PROBLEM RESOLUTION FOR CORRECTION. WHEN A TROUBLE IS IDENTIFIED BY SERVICE PROBLEM RESOLUTION (VIA SERVICE QUALITY MANAGEMENT OR NETWORK MAINTENANCE AND RESTORATION) THEN PROBLEM HANDLING IS NOTIFIED IN ORDER TO INFORM THE CUSTOMER OF THE PROBLEM.

FIG. 21



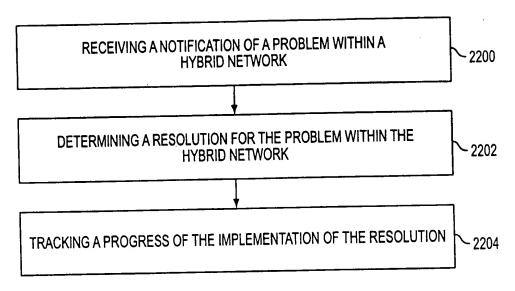
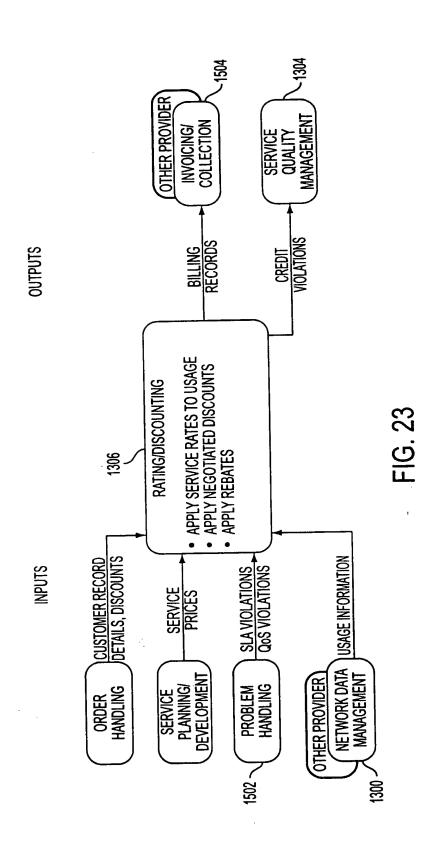


FIG. 22







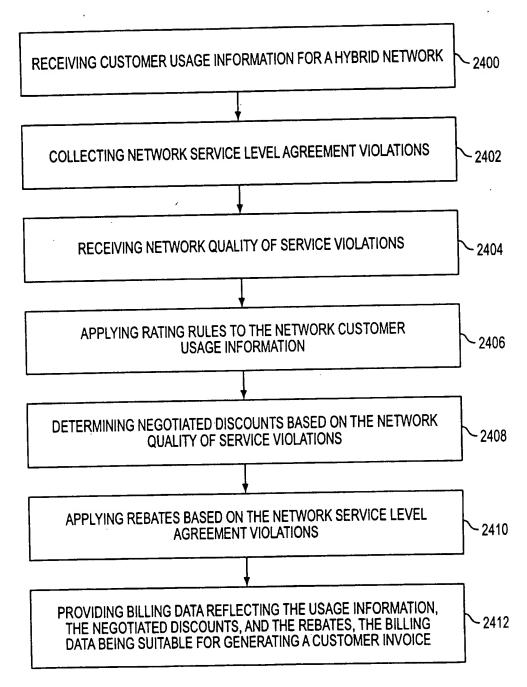


FIG. 24



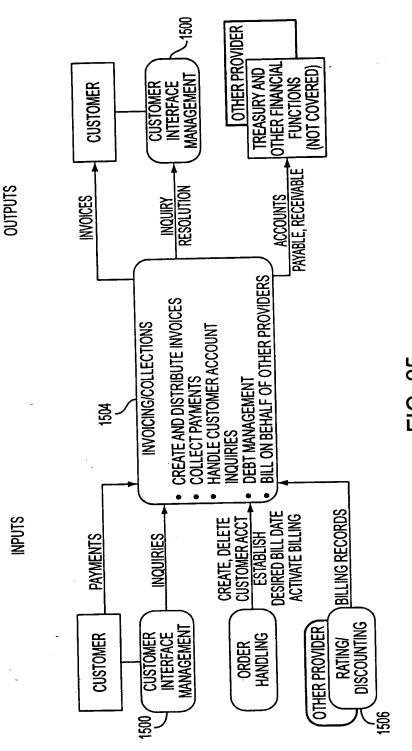


FIG. 25



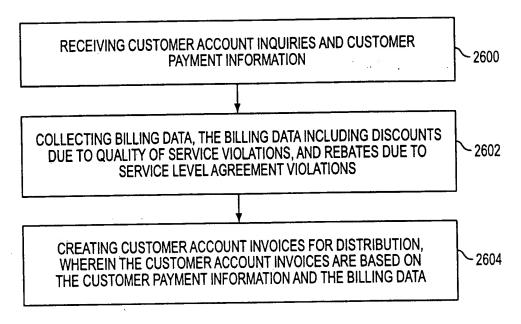


FIG. 26



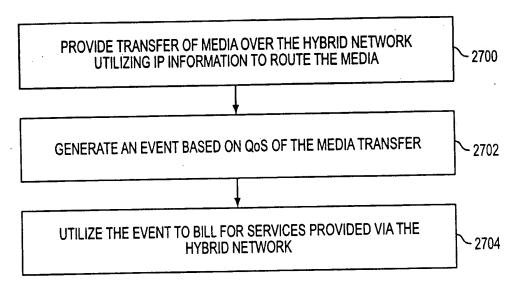
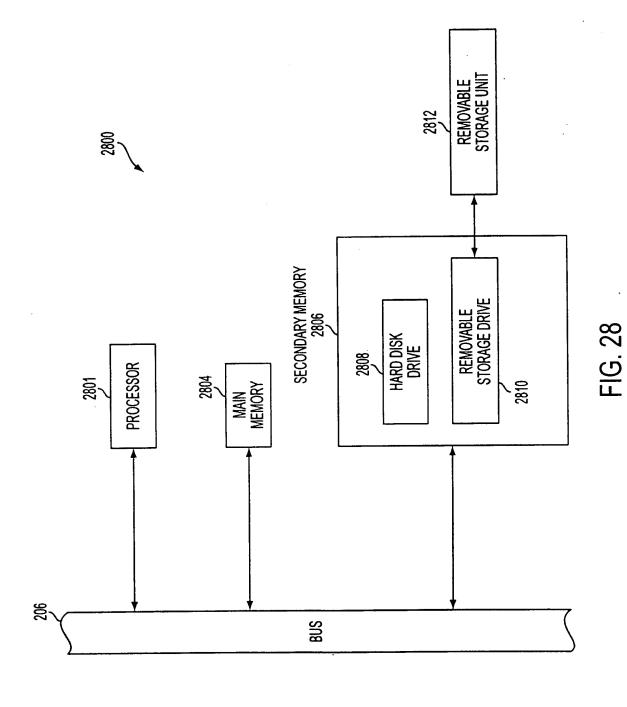


FIG. 27







MSB

		•	••	00	•	٥٢	00	07	00	00	10	44	12	13	14	15				
BITS	00	01	02		04	05	06	07	80	09	10 CD ID	11	12	13	14	\dashv				
WORD 00	<u> </u>		CR	עו			T	24 DIT	S 0-1		CD IL					-				
01									S 16-3							- -				
02					TD2	BITS		1 DII	3 10-0					TE	6 0-2					
03			,			BITS					т	T	P7 BI			-				
04					110	DII 3		D7 RI*	rs 6-2	1	<u>. L</u>		1 7 0.	100		\dashv				
05 06			<u></u>			ΛDI			ING P		n-15			***		_				
07		рΤ							ING F							┪				
08		TP T			-				NG TR			ΙP			T	T				
.09		IF		TERM	-				OUP (01101			TP	3Q	\exists				
.0 3 10		P6Q	T			ON CC			 		OTC				TC	_				
11	_	1000	ID1		T	IC						NIIN	DEX							
12			CLI 1		\vdash		12			CLI	3			CLI 4						
13		_	CLI 5	,	T	CL	16			CLI	7			CLI 8						
14		-	CLI 9			CL	10			A1				A2						
15			A3			A	4			AS	5			A6						
16			A7			Α	.8			AS)			A10						
17			A11			A	12			A1	3		A14							
18			A15			Α	16			A1	7		A18							
19			A19	-		Α	20			A2				A22	\22					
20			D1			[)2			D:				D4						
21	1		D5			0)6			D.				D8						
22			D9				10			D1	_			D12						
23	3 [D13				14			D1				D16		_				
24	4		D17		L.		D1			PTI				PTD3		_				
2	5 [PTD4				D5			PTI				PTD7		_				
26	6		PTD8				D9			PTD						_				
2			FC		<u></u>		MC_			KA				TP70		_				
28				ENTR	Y CC				PD				D ID DIVID							
29	_	00	CC	IN		SC	CD	DE [SA	 		10CL		_				
3(CN1		<u> </u>	CN2	07.5	-1 - 4 -	CI			1	NDOF	CN4	All T					
3	1 _	/	ACIF						SE CO			<u> </u>	CIDSE			RS				
BIT	00	01	02	03	04	05	06	07	80	09	10	11	12	13	14	15				

FIG. 29



MSB 02 03 04 05 06 07 08 09 10 11 12 13 14 15 BITS 00 01 CD ID **CR ID** WORD 00 **TP1 BITS 0-15** 01 **TP1 BITS 16-31** 02 TP6 0-2 **TP3 BITS 0-12** 03 TP7 BITS 0-5 **TP6 BITS 3-12** 04 **TP7 BITS 6-21** 05 **OPL. ORIGINATING PORT 0-15** 06 **TPL. TERMINATING PORT 0-14** 07 OP OTG. ORIGINATING TRUNK GROUP П 08 TP **TERMINATING TRUNK GROUP (1-12)** TP3Q 09 OTC TTC **ACTION CODE** 10 TP6Q ANI INDEX ID2 11 ID1 CLI 4 CLI₃ CLI 2 CLI₁ 12 CLI 8 CLI 7 CLI 6 CLI₅ 13 **CLI 12 CLI 11 CLI 10** CLI9 14 **CLI 14 CLI 15 A1 CLI** 13 15 A5 A4 A2 **A3** 16 A9 A8 A7 **A6** 17 A12 A13 A10 A11 18 A17 A15 A16 19 A14 A21 A20 A19 A18 20 A25 A23 A24 A22 21 A29 A27 A28 22 A26 A32 A33 A31 23 A30 A36 **A37** A35 A34 24 A40 A41 A39 A38 25 A44 A45 A43 A42 26 TP7Q FC TMC **KAT** 27 EC, ENTRY CODE ND ID DIVID PD 28 NOCLI SA SC CD DE DT 29 DO MN CC IN CN4 CN₃ CN₂ 30 CN₁ NCIDSEQ NL RS SS7 RELEASE CODE **ACIF** 31 05 06 07 08 11 12 13 14 09 BIT 00 01 02 03 04 10

LSB

FIG. 30



ı	MSB																	LS	В						
BITS 00		02	2 - 0)3	04	05	06	0	7	08	09	10	1	1	12	13	· 1	4	15						
WORD 32						_			\top										4						
33														_					_						
34		ID1				1[)2)3		\perp		ID4			_						
35		ID5				1[D6)7		1		ID			_						
36		ID9				ID)10					11		\perp		ID1			4						
37		ID1	3			ID)14					15		1		ID1			_						
38		ID1	7			10)18					19		\perp		ID2									
39		ID2	1			IE)22					23		\perp		ID2			_						
40		ID2	5			P	TD1					D2				PTI			_						
41		PTC)4			P.	TD5					TD6		4		PTI			_						
42		PTC)8			P	TD9					D10		\bot		PT			_						
43		PTD					ΓD13				PT	D14				PTD)15	- 1							
44			EIF	R CA	<u>LL T</u>		TA 1						OVI	FAL			10		2R						
45	45 OVFCL											TA 2	_	4											
46		DT/	14			TA 5		\perp			TA 6		\dashv		DT/										
47		DT/	١8	·			TA 9					A 10		4					_						
48		DTA	12			D.	TA 13	3				A 14				וט	OTA 15								
49				OVF					<u> </u>																
50					NETWORK CALL IDENTIFIER (NCID)																				
51		1			NETWORK CALL IDENTIFIER (NCID)																				
52					NETWORK CALL IDENTIFIER (NCID) NETWORK CALL IDENTIFIER (NCID)																				
53		•				VETV	VOR	K C/	ILL I	DEV	11111	FK (V	ICID	<u>"</u>											
54					1	VETV	VOR	K C/	ALL I	DEN		ER (N	ICIL	"											
55					↓_																				
56					1									-											
57					1_					ļ									\dashv						
58	L				_					-			Τ .	110	TYP	ET		VI IIE							
59						-	IIF 0	0111	IT O	ONIT			10	03	ITP	5			_						
60							IE C					IAD /	1 16	`				<u> </u>	-						
61	_				AIN							IAP (/17	241									
62	<u> </u>		(JKIG	NXC							IX64 /IAP ((17.	27)		0 4 3 7 11 15 CB 3 3 .7							
63																	40	4 4							
BIT	00	01	02	03	04	4 ()5	06	07	0	8 (9	10	11	1	2	13	74	15						

FIG. 31



LSB MSB 02 03 04 05 06 07 08 09 10 11 12 13 14 15 BITS 00 01 CD ID CR ID WORD 00 **TP1 BITS 0-15** 01 TP1 BITS 16-31 02 TP6 0-2 **TP4 BITS 0-12** 03 TP7 BITS 0-5 **TP6 BITS 3-12** 04 **TP7 BITS 6-21** 05 **OPL. ORIGINATING PORT 0-15** 06 **TPL. TERMINATING PORT 0-14** OP 07 П OTG. ORIGINATING TRUNK GROUP 08 TP TP3Q **TERMINATING TRUNK GROUP (1-12)** 09 OTC TTC **ACTION CODE** 10 TP6Q ONACC TNACC ID2 11 ID1 CLI 3 CLI 4 CLI 2 CLI₁ 12 CLI7 CLI 8 CLI 6 CLI₅ 13 **A1** A2 CLI9 **CLI 10** 14 A6 A4 **A5 A3** 15 A10 **A8** A9 A7 16 A14 A12 A13 A11 17 A18 A17 A16 A15 18 A21 A22 A19 A20 19 D4 **D3** D1 D2 20 D8 D7 **D5** D6 21 D11 D12 D9 D10 22 D16 **D15** D13 D14 23 OPIN D17 24 TPS BITS 0-12 25 OPIN RN4 RN3 RN2 26 RN1 TP7Q KAT FC TMC 27 DIVID EC. ENTRY CODE ND ID PD 28 NOCLI CC IN SC CD DE DT PP XC SA 29 D0 CN4 CN3 30 CN1 NCIDSEQ NL RS SS7 RELEASE CODE 31 **ACIF** 12 13 14 15 05 06 07 08 10 11 03 04 09 BITS 00 01 02

FIG. 32



		MSE	}													LS	SB				
Bl	TS 0	0 ()1	02	03	04	05	06	07	08	09	10		12	13	14	15				
WORD	00 [CR	ID							CD II)								
	01							TI	P1 BIT	S 0-1	5						_				
	02				-			TI	P1 BIT	S 16-3	31						_				
	03			-		TP4	BITS	0-12								P6 0-2	2				
	04					TP6	BITS	3-12						TP7 B	ITS 0	5	_				
	05								TP7 B	ITS 6-	21						_				
	06								IGINA												
	07	OP	Π						RMINA												
	08	TF	· T						INATII				UP_								
	09								IK GR	OUP (23Q	_				
	10	TP	6Q		1	ACTIO	ON C	ODE				TC				TC	_				
	11			D1				D2				ACC			TNAC						
	12		C	LI 1				LI 2				13			CLI 4		_				
	13		C	LI 5				LI 6				.17		Ĺ	CLI 8						
	14		C	LI 9			CL	.l 10				1 11			CLI 1	2					
	15		С	LI 13			CL	.1 14				1 15			A1						
	16			A2				A3				\4		<u> </u>	A5						
	17			A6				A7				\8			A9						
	18			A10				111				12		<u> </u>	A13		_				
	19			A14_				115				16				A17					
	20			A18				119				20			A21						
	21			A22				\23				24		ļ	A25						
	22			A26				127		ļ		28			A29						
	23			A30				131		<u> </u>		32		ļ	A33						
	24			A34				135		<u> </u>		36		<u> </u>	A37		_				
	25			A38				139		<u> </u>		40		ļ	A41						
	26			A42				443				44		<u> </u>	A45						
	27			FC				NC		<u> </u>		AT		<u> </u>	TF7		_				
	28				ENTF	Y C				PD			ND I	ט		DIVID					
	. 29	D0		A CC	IN	1_			DE I			C S/	1		NOCL						
-	30			CN1		_	CN2				N3		┦-	10100	CN4						
	31			CIF				557 R	ELEAS					CIDS		NL					
	BITS		01		03	04	05	06	07	08	09	10	1'	1 12	13	14	15				
EO	SR/EF	POSF	FO	RMAT	-			F-1	\sim	22											

FIG. 33



LSB **MSB** 08 09 10 11 12 13 14 15 BITS 00 01 02 03 04 05 06 07 T & C GUEST 2 T & C GUEST 1 32 T&CGUEST4 T&CGUEST3 33 **ID4** ID3 ID2 34 ID1 ID7 ID8 ID6 ID5 35 **ID12 ID11 ID10** 36 ID9 **ID15 ID16 ID14 ID13** 37 **ID20 ID18 ID19** 38 **ID17 ID24 ID22 ID23** ID21 39 PTD3 PTD2 PTD1 **ID25** 40 PTD6 PTD7 PTD4 PTD5 41 PTD11 PTD10 PTD9 42 PTD8 PTD15 PTD12 PTD13 PTD14 43 CB **OVFAL EIR CALL TYPE** 44 DTA 3 DTA 2 **OVFCL** DTA 1 45 DTA 7 DTA₆ DTA 5 46 DTA 4 **DTA 10** DTA11 DTA 8 DTA 9 47 **DTA 15 DTA 13 DTA 14 DTA 12** 48 DTAC NCID **OVFC** 49 **NETWORK CALL IDENTIFIER (NCID)** 50 **NETWORK CALL IDENTIFIER (NCID)** 51 NETWORK CALL IDENTIFIER (NCID) 52 NETWORK CALL IDENTIFIER (NCID) 53 NETWORK CALL IDENTIFIER (NCID) 54 T&CROOM2 T&CROOM1 55 T&CROOM4 T&CROOM3 56 T&CROOM5 T&CROOM6 57 EAC4 EAC3 EAC2 58 EAC1 EAC8 EAC7 EAC6 59 EAC5 EAC12 EAC9 EAC10 EAC11 60 **OVFCS OPIN** 61 **TP5-OPERATOR RELEASE** 62 RN2 RN3 RN4 63 RN1 05 06 07 08 11 12 13 14 15 BIT 00 01 02 03 04 09 10

FIG. 34

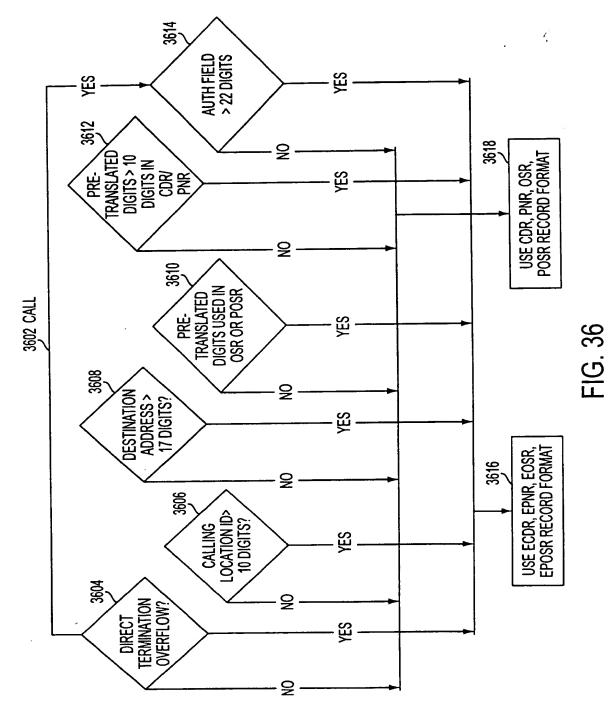


MSB

		IVIOD																
BIT	Γ 0) ()1	02 (03	04	05	06	07	08	09		11				14	15
WORD	00 [CRI	D				SYN	C W	ORD	(MINU	JS 2,	OCTA	L 7	776)		\dashv
	01				CD	D, C	ALL [ISCO	DNNE	CT I.	<u>D. NI</u>)MBE	R (0-	15)				_
	02				CDI	D, C/	ILL D	ISCO	NNE	<u>CT I.[</u>). NL	IMBE	R (16-	31)				_
	03			SWID					SWI) 2		1		SI	MID			
	04			ST-S	WIT							Q-EVE		UALI	FIE	<u> </u>		-
	05						SERI	T-SEI	R EVI	ENT 1	IME	(0-15)					
	06				-		SERIT	-SEF	EVE	NT T	IME	(16-31)					
	07							FC	DID-	FIRS'	<u>r RE</u>	CORD	CDI) (12	LSA	(s)		
	08											CORD						_
	09							N	CDID.	NEX.	r RE	CORD	CDI) (12	LSA	(s)		_
	10				N	BSN-	NEM	AS BI	LOCK	SEC	UEN	ICE N	UMB	R				_
	11									IS TIN								
	12									S TIM	IE (1	<u>6-31)</u>						
	13	SI				TIN	NE O	FFSE	T									_
	14																	
	15																	
	16																	
	17	-		SOFT														
	18			SOFT								OFT						
	19			LAST	PATC	HS/P	R _{RL}	<u>S1</u>			L	AST F	ATCH	IS/PR	RL	.52		
	20			QCE						CDR								
	21			QPN	ΛR					PMR								
	22			QOS	SR					OSR								—
	23			QPO						OSR								
	24			QSI	ER					IPN_								
	25											ME (C						
	26			_ ·								ME (1						—
	27											ME (0						\dashv
	28						DR T	HRO	TTLE	STO	P TII	ME (10	5-31)	<u> </u>		+ \ //		
	29											0.45\	<u> </u>	FUF	KMA	T VE	<u>K.</u>	
	30											0-15)						\dashv
	31						T	HRO	TLE			16-31)						
ş	BIT	00	01	02	03	04	05	06	07	7 0	В ()9 1	0 1	l1 '	12	13	14	15

FIG. 35







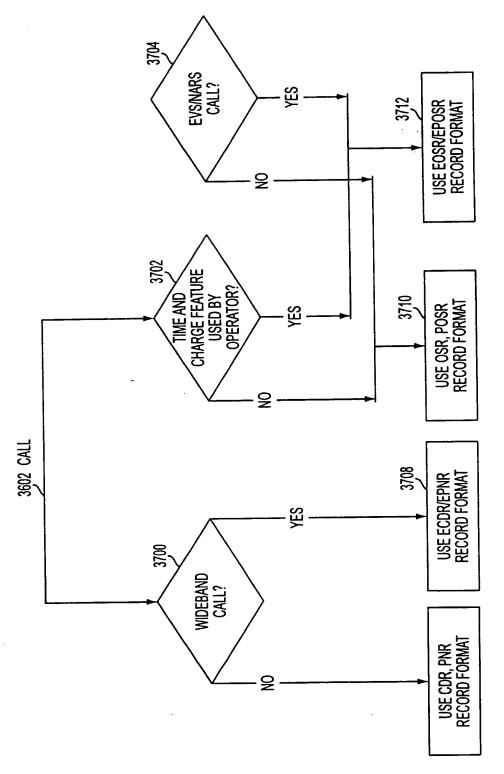
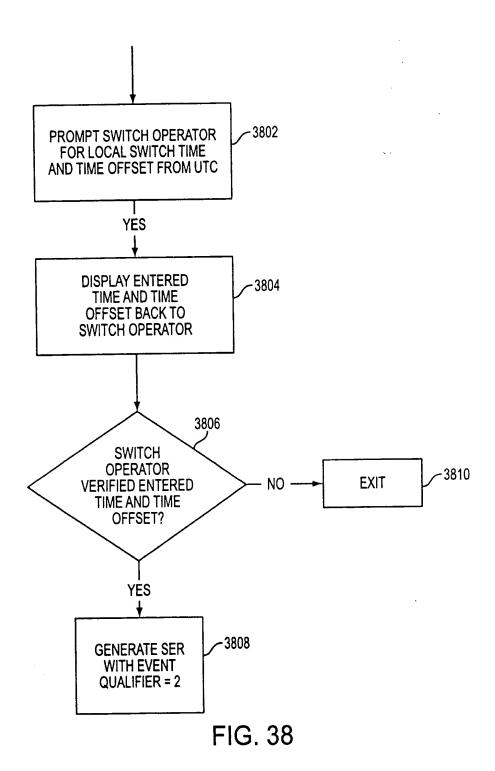
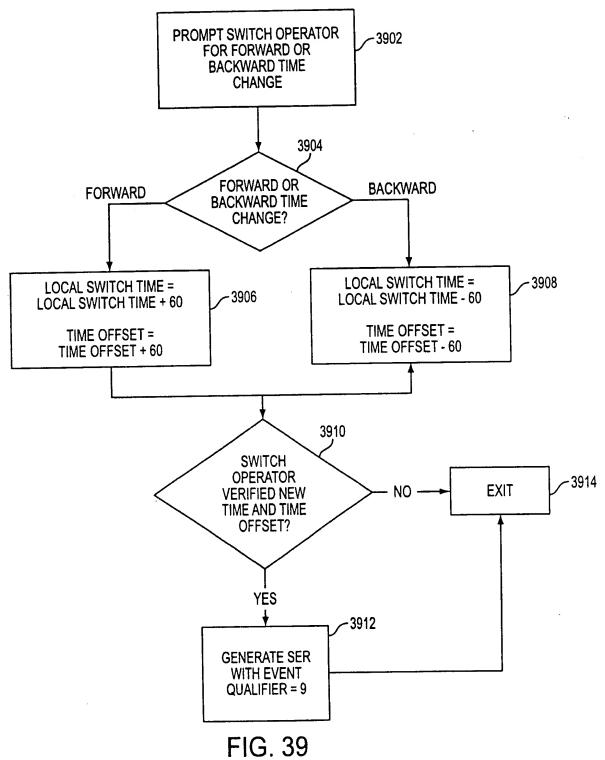


FIG. 37











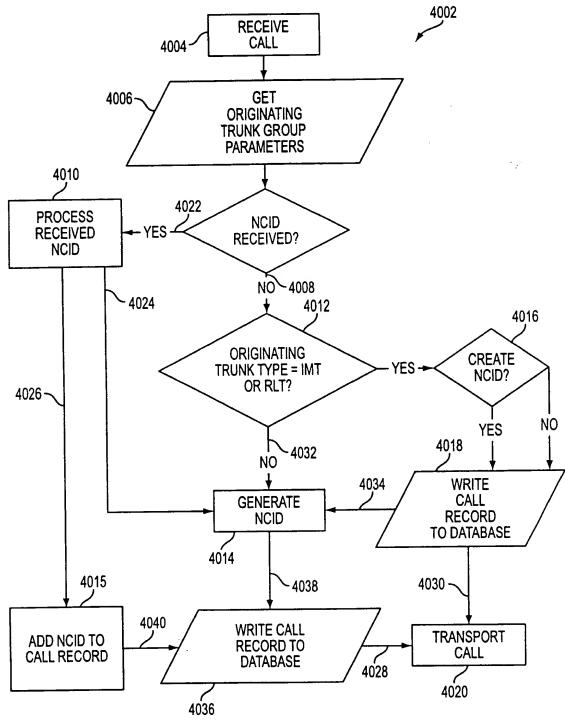


FIG. 40



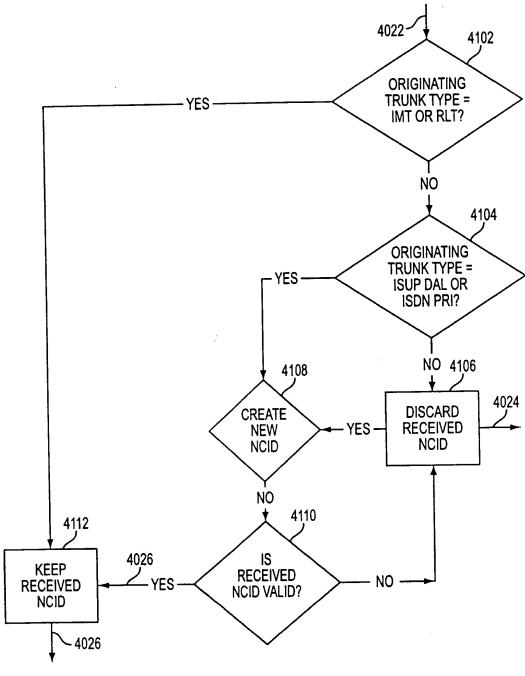


FIG. 41



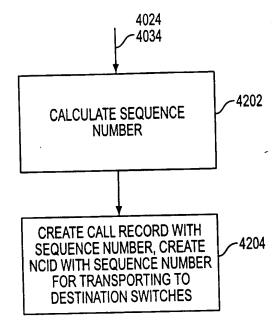


FIG. 42



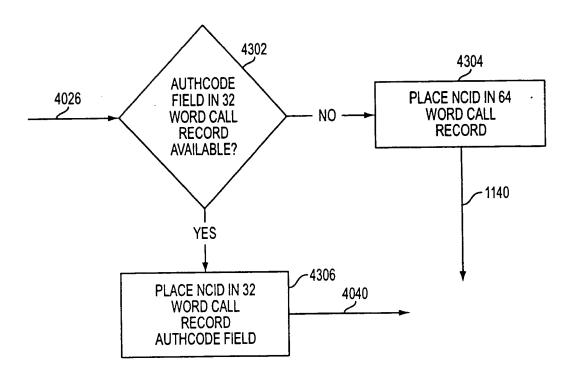


FIG. 43



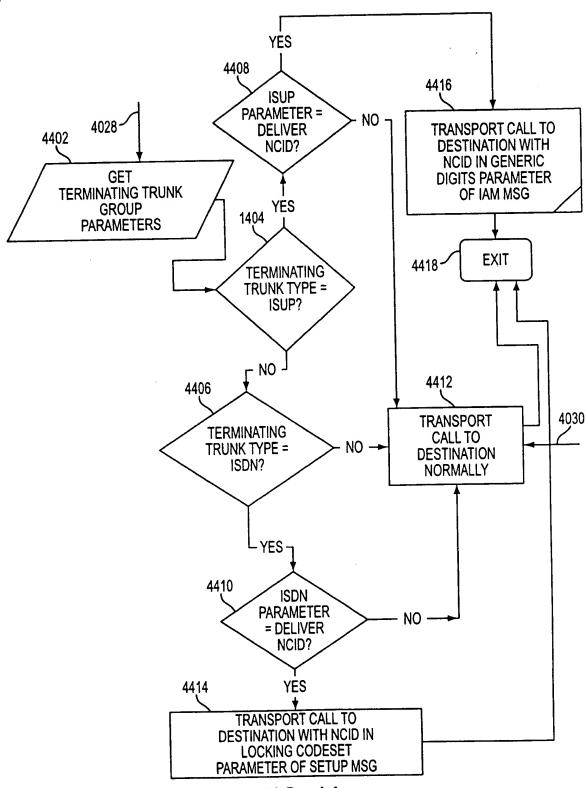


FIG. 44



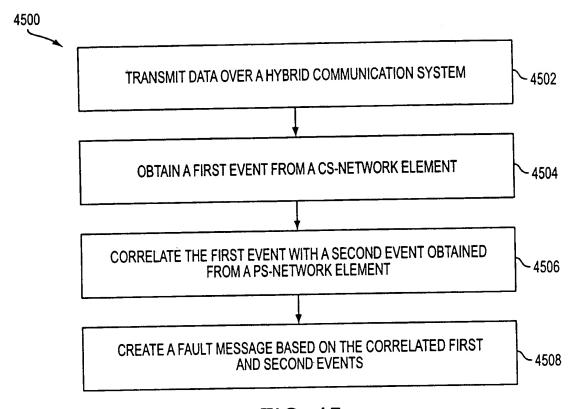
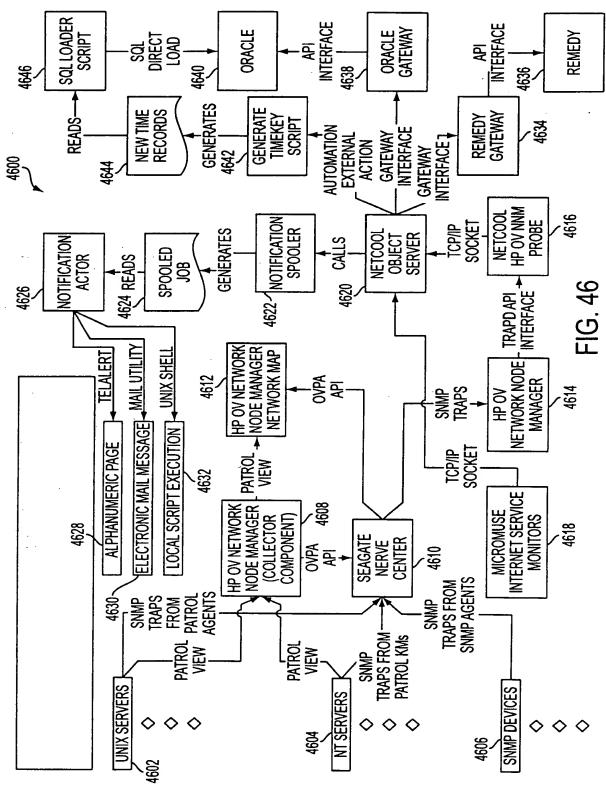


FIG. 45







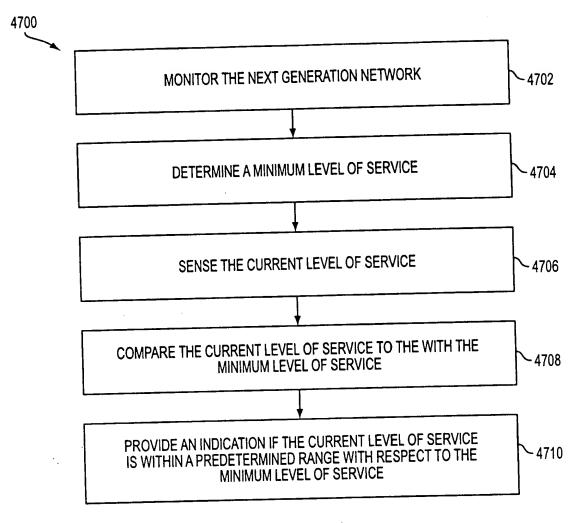


FIG. 47



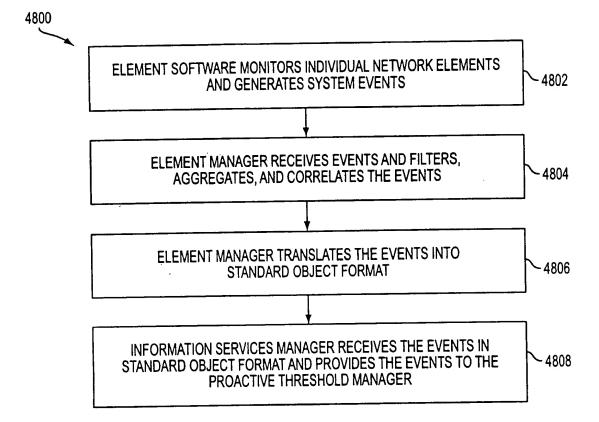


FIG. 48



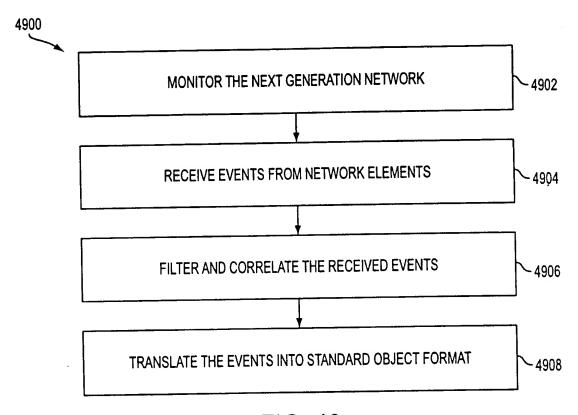
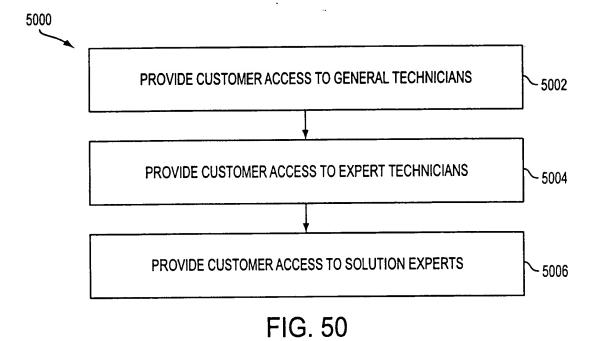


FIG. 49







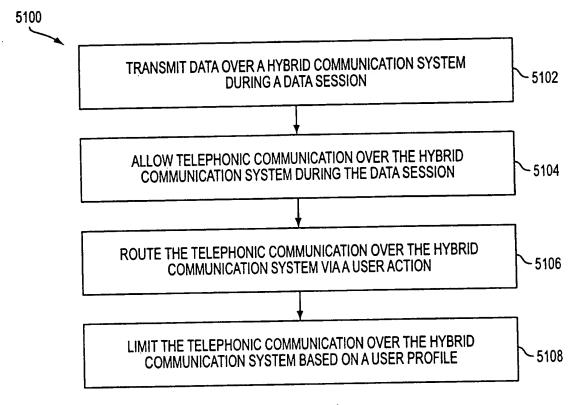


FIG. 51



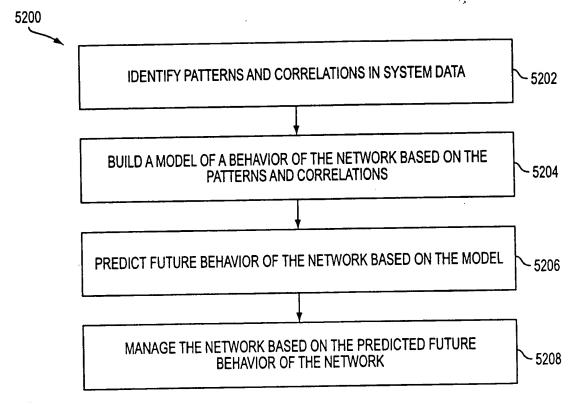


FIG. 52

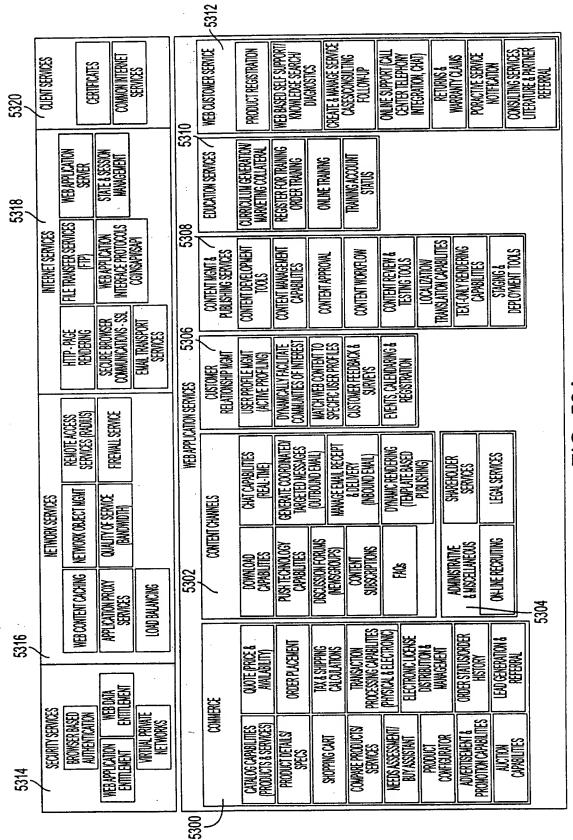
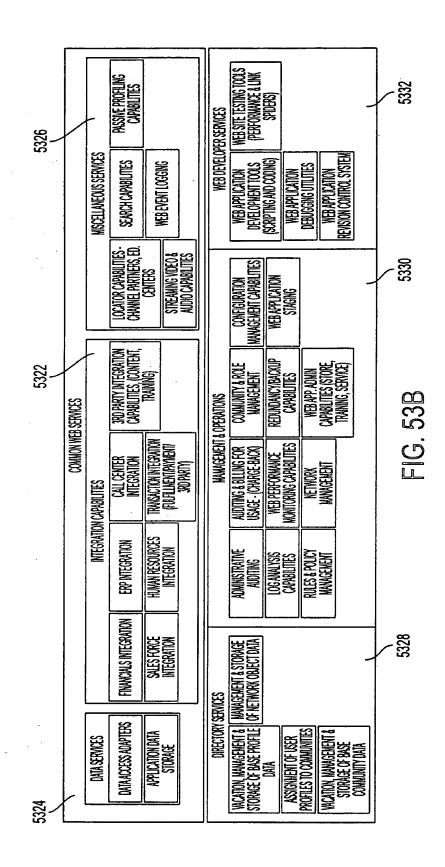


FIG. 53A







5300

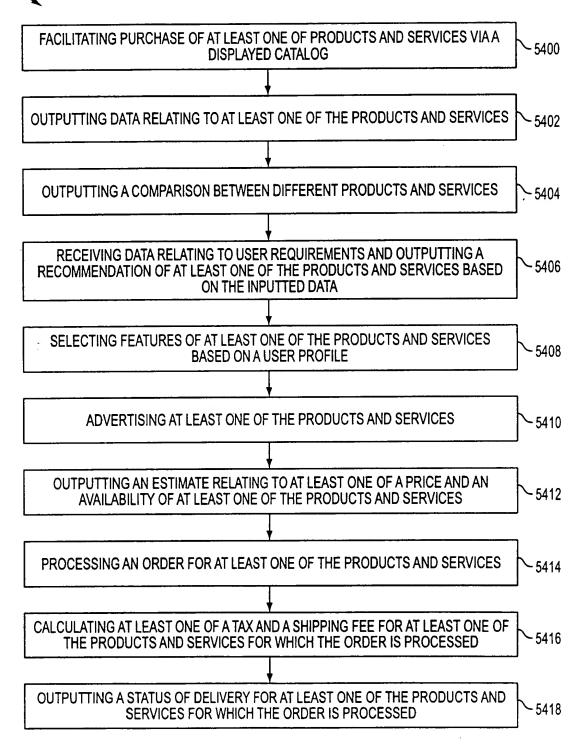


FIG. 54



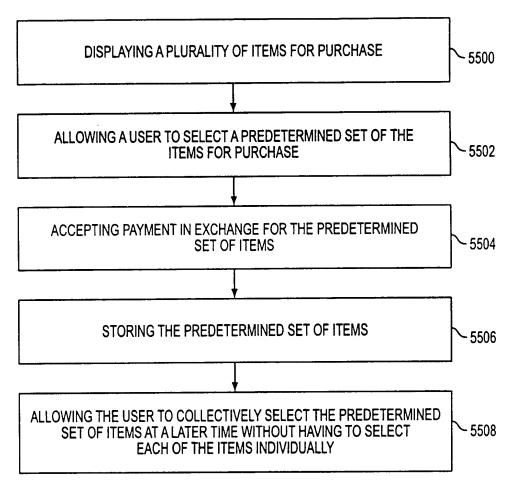


FIG. 55



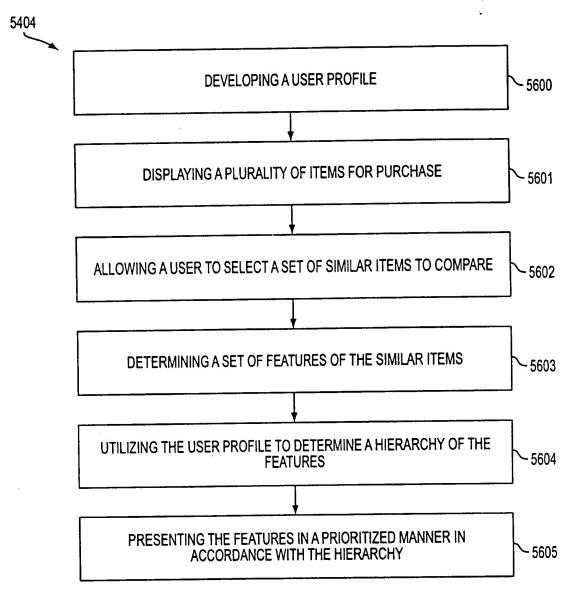


FIG. 56



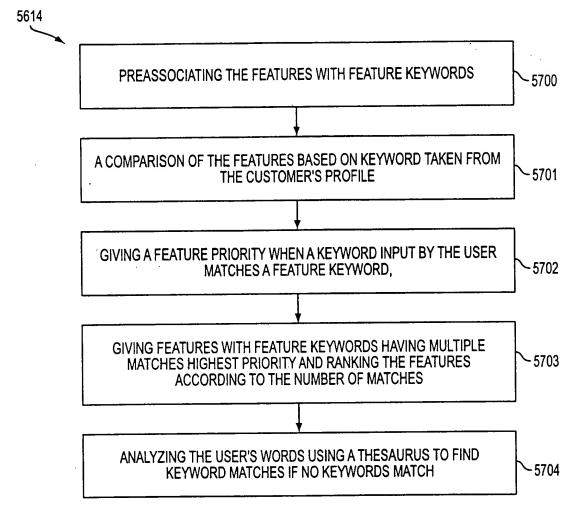


FIG. 57



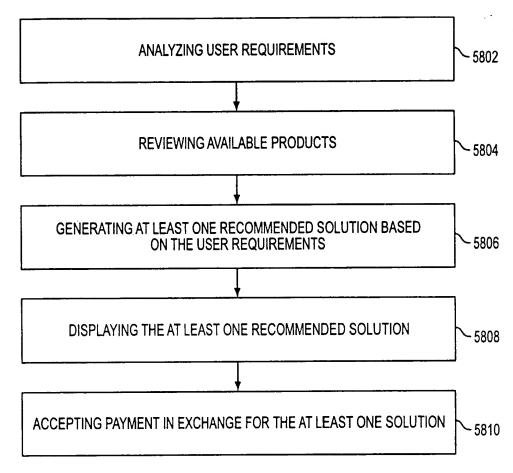


FIG. 58



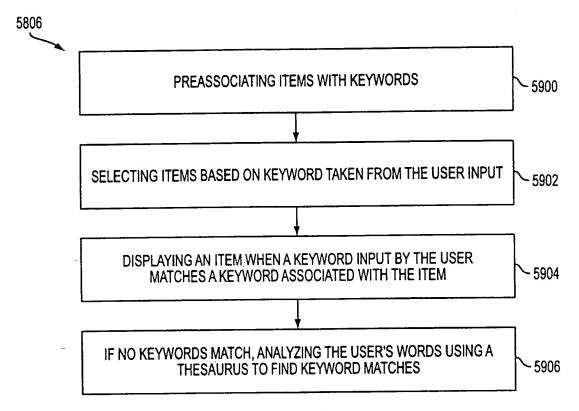


FIG. 59



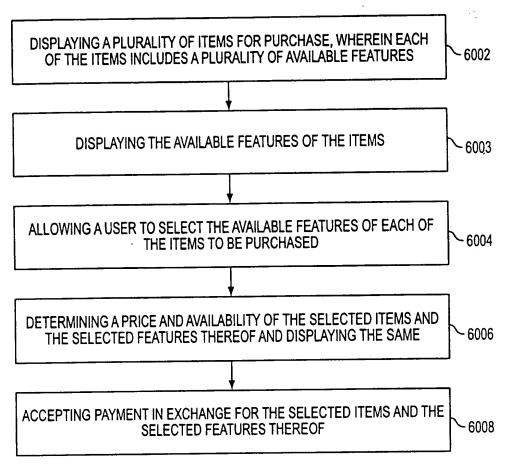


FIG. 60



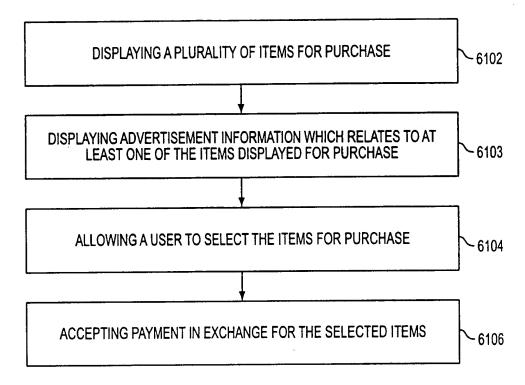


FIG. 61



PREASSOCIATING ADVERTISEMENTS WITH INDIVIDUAL ITEMS OR WITH ENTIRE CLASSES OF ITEMS

AUTOMATICALLY DISPLAYING ONE OR MORE OF THE ADVERTISEMENTS WHEN THE ITEMS ARE SELECTED FOR DISPLAY

6202

ROTATING THE ADVERTISEMENTS SO THAT EACH GETS AN EQUAL AMOUNT OF DISPLAY TIME, OR ACCORDING TO THE PREMIUM PAID BY THE ADVERTISER

~6204

FIG. 62



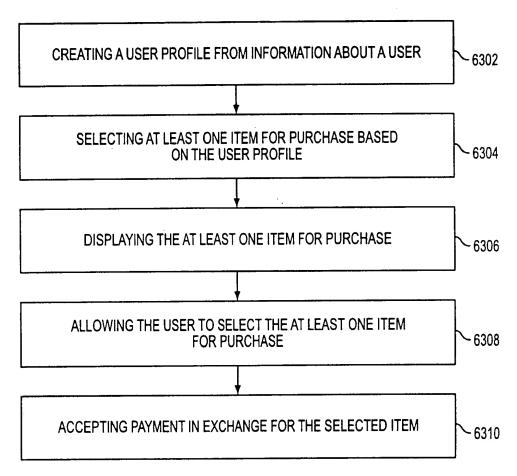


FIG. 63



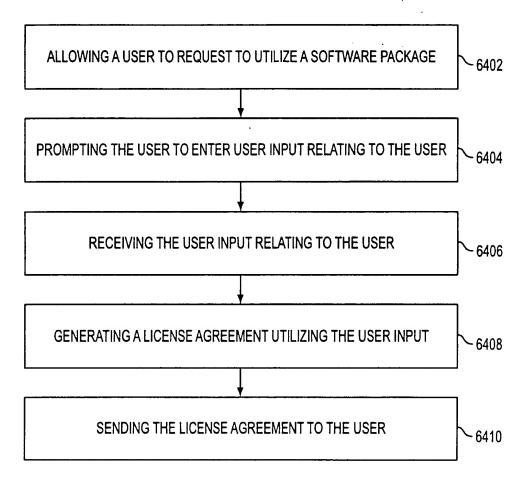


FIG. 64



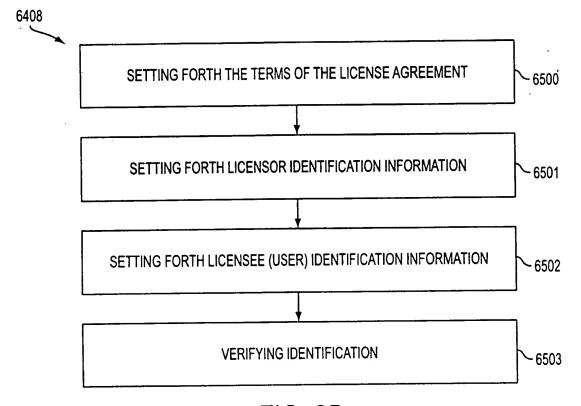


FIG. 65



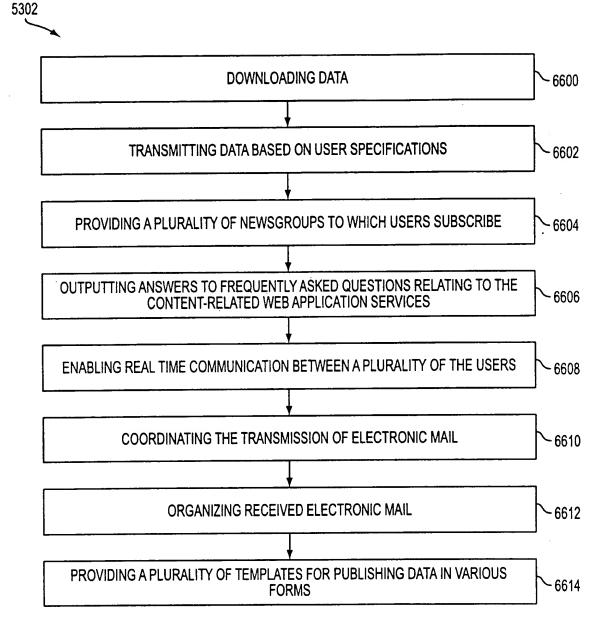


FIG. 66



5306

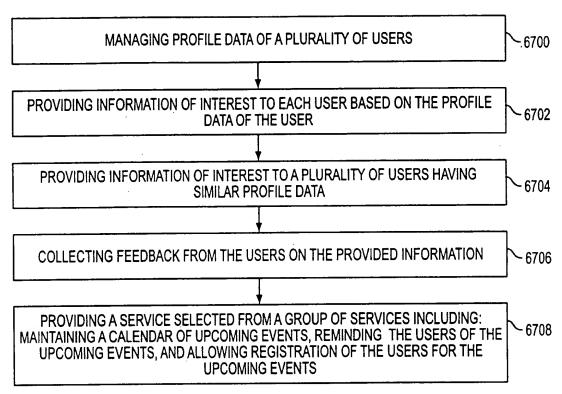


FIG. 67



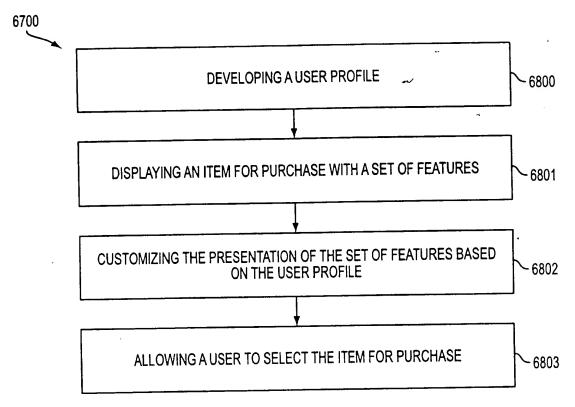


FIG. 68



COLLECTING USER INFORMATION SUCH AS SEARCH REQUESTS,
SHOPPING EVENTS, AND BROWSING HABITS

PLACING ALL OF THE USER INFORMATION IN A DATABASE FOR
RETRIEVAL WHEN NECESSARY

6901

ESTIMATING A USER'S BUYING PATTERN FOR A PARTICULAR TYPE OF
ITEM EACH TIME A USER USES THE SYSTEM

6902

LOGGING THE USER'S CURRENT ACTIVITIES AND ENTERING THEM
INTO THE DATABASE

FIG. 69



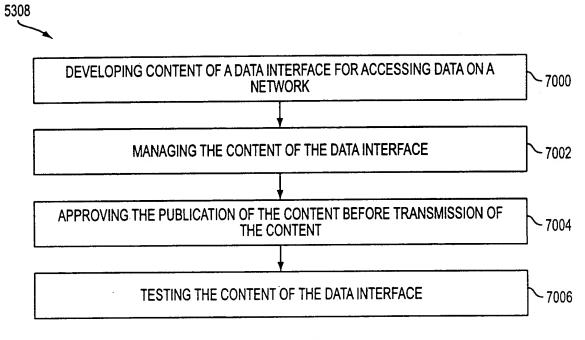


FIG. 70



GENERATING A CURRICULUM OF COURSE OFFERINGS

7100

ALLOWING THE SELECTION OF THE COURSE OFFERINGS

7102

EDUCATING USERS OVER A NETWORK

7104

DISPLAYING A STATUS OF THE EDUCATION OF THE USERS INCLUDING AT LEAST ONE OF THE COURSES COMPLETED 7106

FIG. 71



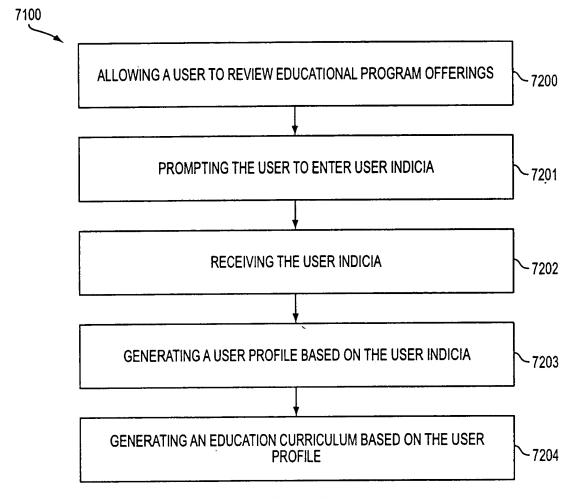


FIG. 72



GENERATING THE EDUCATION CURRICULUM BASED ON THE
CURRENT EXPERTISE

7300

RECEIVING STUDENT DEFINED TRAINING GOAL, SUCH AS A SPECIFIC
CERTIFICATION OR DEGREE (ADDITIONAL USER INDICIA),

TAKING THE TRAINING GOAL FROM THE STUDENT PROFILE

7302

GENERATING THE EDUCATION CURRICULUM TO FULFILL THE
TRAINING GOAL

MONITORING THE STUDENT'S PROGRESS AND PRODUCING REVISED
EDUCATIONAL CURRICULUMS

7304

FIG. 73



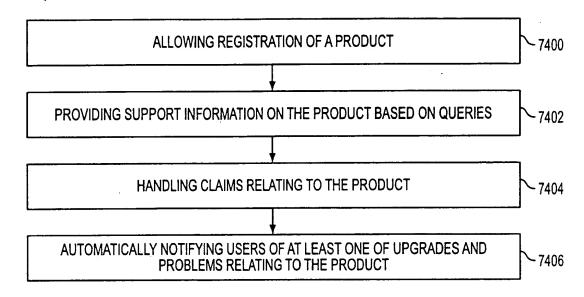


FIG. 74



7406 PROVIDING COMMERCIAL OFFERINGS FOR A USER TO REVIEW ~ 7500 ALLOWING THE USER TO SELECT FROM THE COMMERCIAL OFFERINGS ~7501 PROMPTING THE USER TO ENTER USER INDICIA ~7502 RECEIVING THE USER INDICIA ~7503 COMPLETING SALE AND DELIVERY OF THE COMMERCIAL OFFERINGS **∽** 7504 MONITORING THE STATUS OF THE COMMERCIAL OFFERINGS UTILIZING THE USER INDICIA ~7505 COMMUNICATING WITH THE USER THE STATUS OF THE COMMERCIAL **OFFERINGS** - 7506

FIG. 75



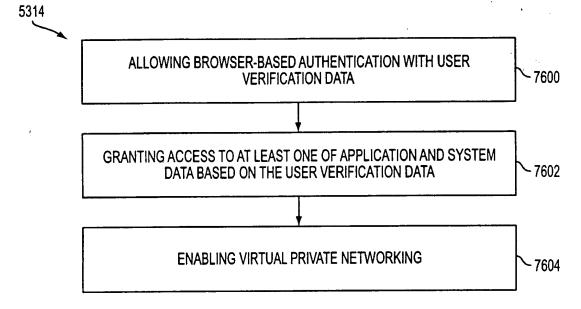


FIG. 76



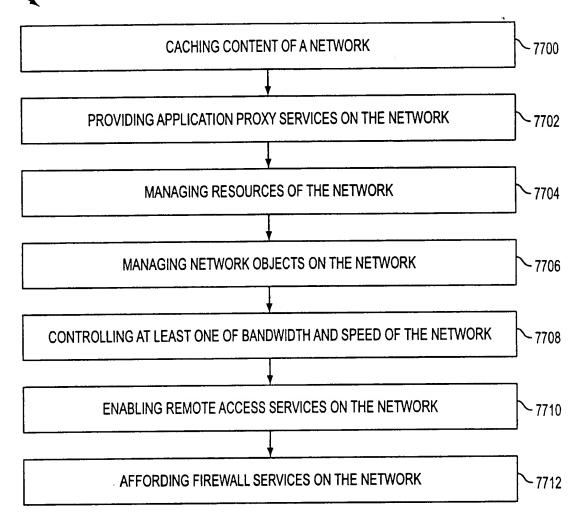


FIG. 77



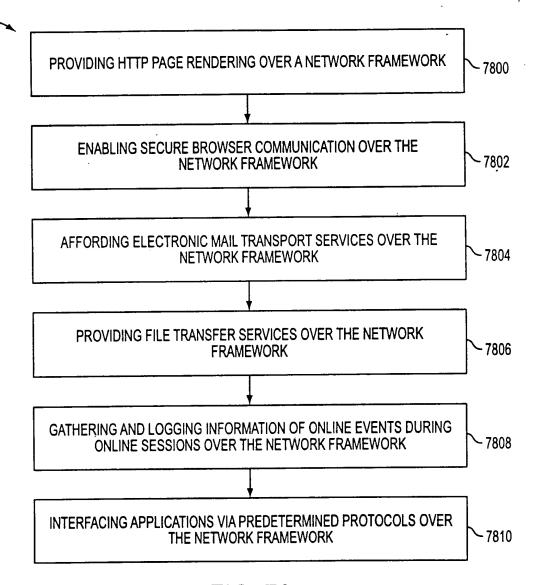


FIG. 78



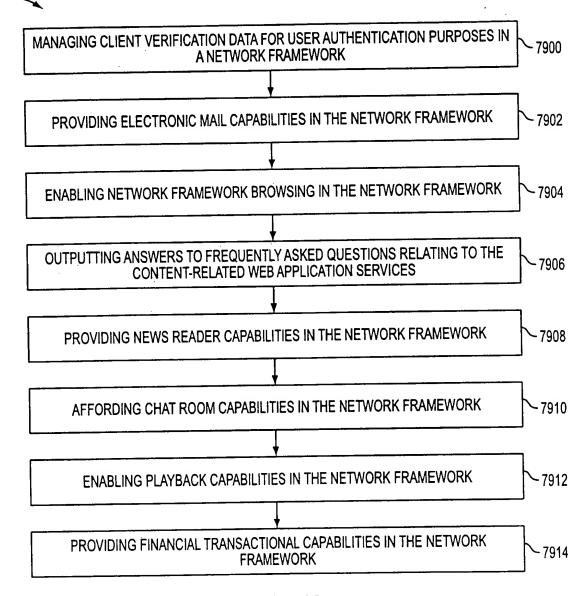


FIG. 79



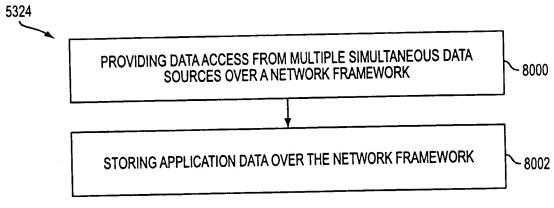


FIG. 80



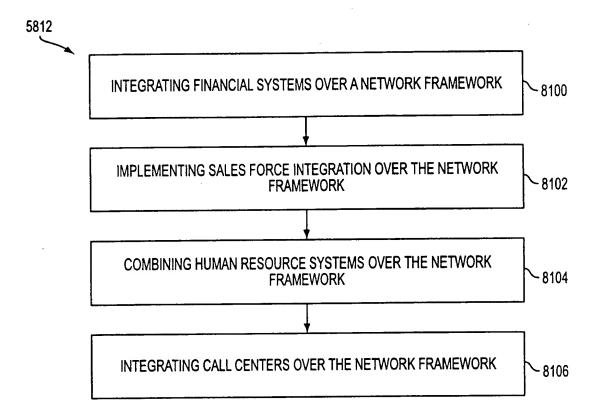


FIG. 81



PROVIDING LOCATOR CAPABILITIES OVER A NETWORK FRAMEWORK

TRANSMITTING AT LEAST ONE OF STREAMING VIDEO AND AUDIO DATA
OVER THE NETWORK FRAMEWORK

LOGGING EVENTS OVER THE NETWORK FRAMEWORK

PASSIVELY MANAGING USER PROFILE INFORMATION OVER THE
NETWORK FRAMEWORK

8206

FIG. 82



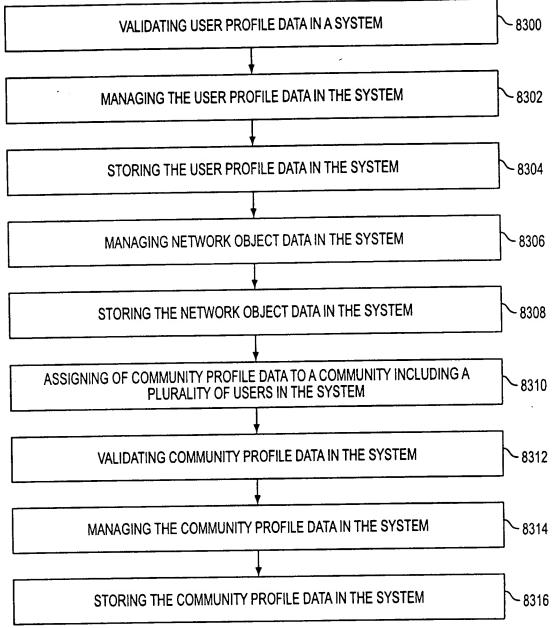


FIG. 83



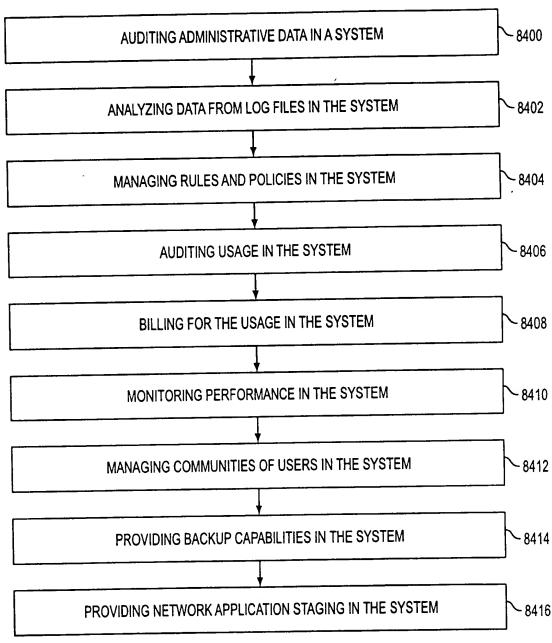


FIG. 84



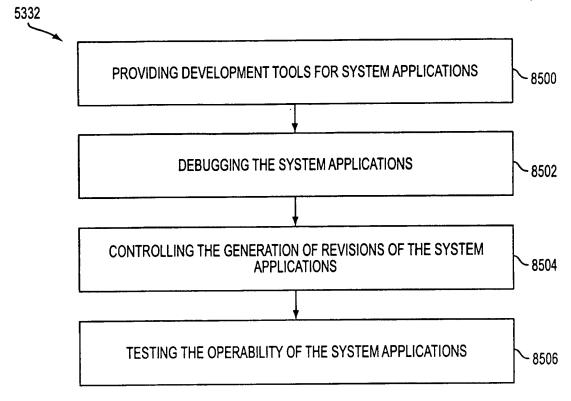
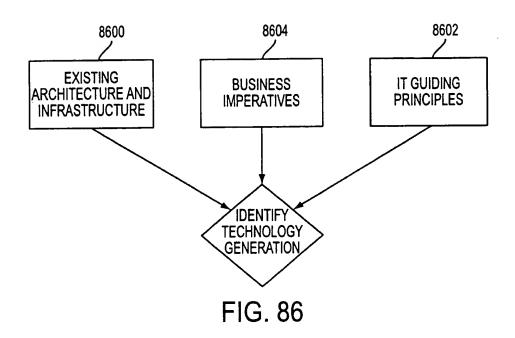
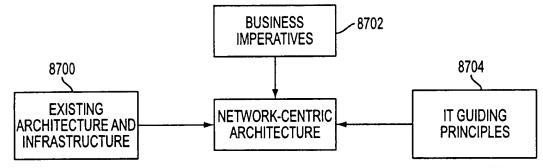


FIG. 85





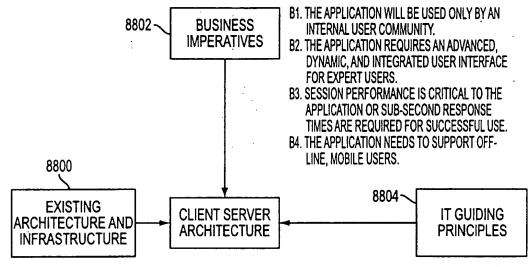
- B1. THE CLIENT NEEDS TO REACH A NEW EXTERNAL AUDIENCE WITH THIS APPLICATION.
- B2. THE CLIENT NEEDS TO REACH A LARGE OR DIVERSE INTERNAL AUDIENCE WITH THIS APPLICATION.



- E1. OTHER NETWORK-CENTRIC APPLICATIONS HAVE BEEN DEVELOPED AND PLACED IN PRODUCTION.
- E2. THE CLIENT HAS SIGNIFICANT TECHNOLOGY SKILLS WITHIN ITS IT DEPARTMENT.
- E3. THE CLIENT HAS MULTIPLE HARDWARE/OPERATING SYSTEM CONFIGURATIONS FOR THEIR CLIENT MACHINES.
- E4. THE APPLICATION WILL RUN ON A DEVICE OTHER THAN A PC.
- E5. THE CURRENT LEGACY SYSTEMS CAN SCALE TO SERVE A POTENTIALLY LARGE NEW AUDIENCE.
- G1. THE CLIENT IS AN EARLY ADOPTER OF NEW TECHNOLOGY.
- G2. APPLICATIONS SHOULD BE DEVELOPED TO HANDLE NON-DEDICATED OR OCCASIONAL USERS.
- G3. WHERE APPROPRIATE, APPLICATIONS SHOULD BE DEVELOPED WITH MULTI-MEDIA CAPABILITIES FOR THE PRESENTATION OF DATA (TEXT, SOUND, VIDEO, ETC.).
- G4. THE EXECUTION, OPERATION AND DEVELOPMENT ARCHITECTURES WILL BE DESIGNED TO SUPPORT FREQUENT RELEASES OF ENHANCEMENTS/ MODIFICATIONS TO PRODUCTION APPLICATIONS.

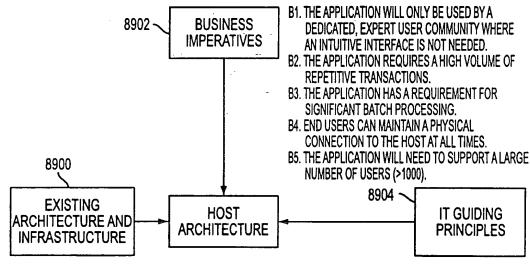
FIG. 87





- E1. OTHER CLIENT SERVER APPLICATIONS BEEN DEVELOPED AND PLACED IN PRODUCTION AND THE CLIENT IT ORGANIZATION CONTAINS PERSONNEL FAMILIAR WITH CLIENT SERVER ARCHITECTURE CONCEPTS.
- G1. THE CLIENT MAINTAINS THEIR APPLICATIONS
 INTERNALLY AND THE IT DEPARTMENT HAS
 THE NECESSARY RESOURCES,
 ORGANIZATIONS AND PROCESSES TO
 MAINTAIN A CLIENT SERVER APPLICATION.

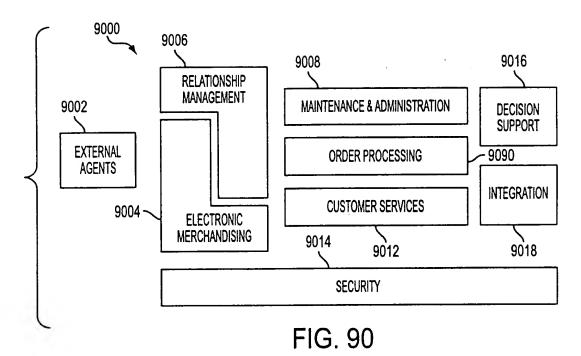
FIG. 88

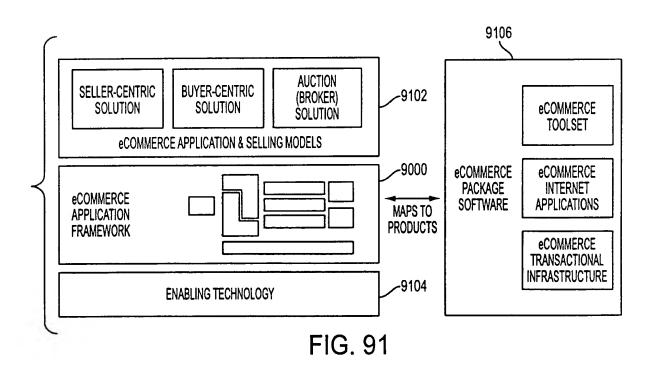


- E1. THE CLIENT CURRENTLY MAINTAINS AND OPERATES HOST BASED APPLICATIONS AND THE IT ORGANIZATION CONTAINS PERSONNEL FAMILIAR WITH THE DEVELOPMENT AND OPERATION OF THESE TYPES OF APPLICATIONS.
- G1. THE CLIENT HAS THE RESOURCES, ORGANIZATIONS AND PROCESSES NECESSARY FOR THE DEVELOPMENT AND OPERATION OF A HOST BASED APPLICATION.
- G2. RELIANCE UPON A SINGLE VENDOR (IBM) FOR TECHNOLOGY SOLUTIONS IS ACCEPTABLE.
- G3. CENTRALIZED APPLICATION AND DATA IS AN ACCEPTED STRATEGY.

FIG. 89









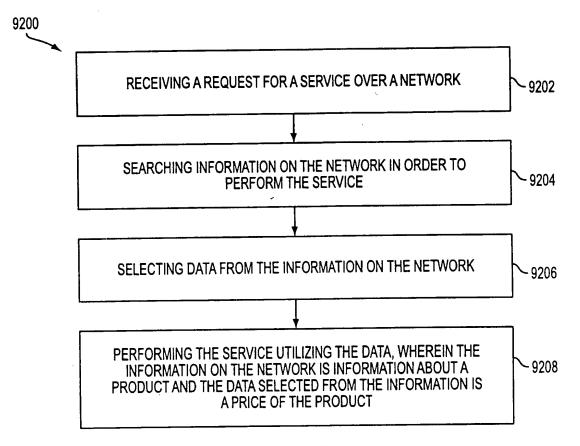


FIG. 92



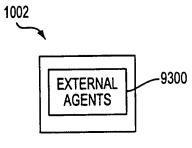


FIG. 93

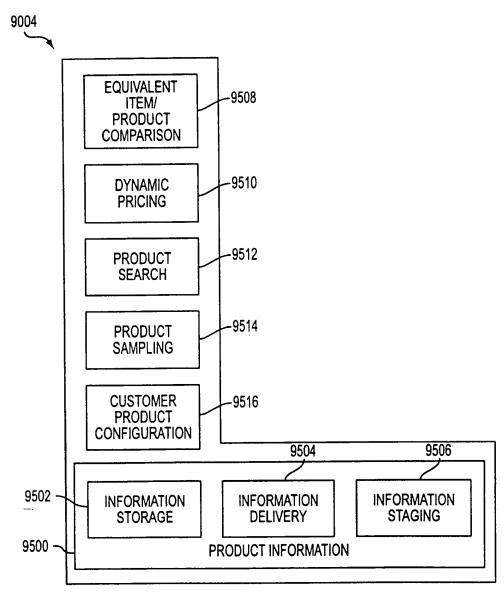


FIG. 95



DISPLAYING INFORMATION OF A PRODUCT INCLUDING AT LEAST ONE OF PRODUCT SPECIFICATIONS, GRAPHICS, VIDEO IMAGES, DIGITAL SAMPLES, AND INVENTORY AVAILABILITY

PROVIDING A SEARCH MECHANISM FOR SEARCHING FOR ITEMS SIMILAR TO THE PRODUCT OVER A NETWORK

9404

SUGGESTING THE ITEMS SIMILAR TO THE PRODUCT

9406

ALLOWING SELECTION OF THE PRODUCT AND THE ITEMS SIMILAR TO THE PRODUCT FOR PURCHASE OVER THE NETWORK

9408

FIG. 94



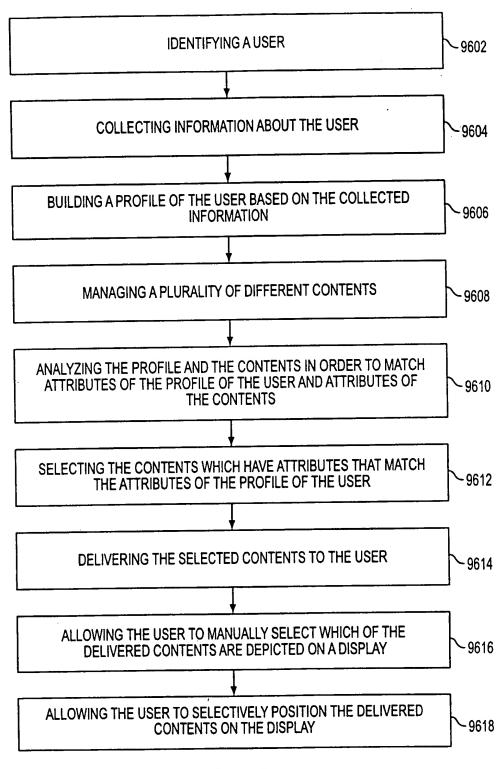
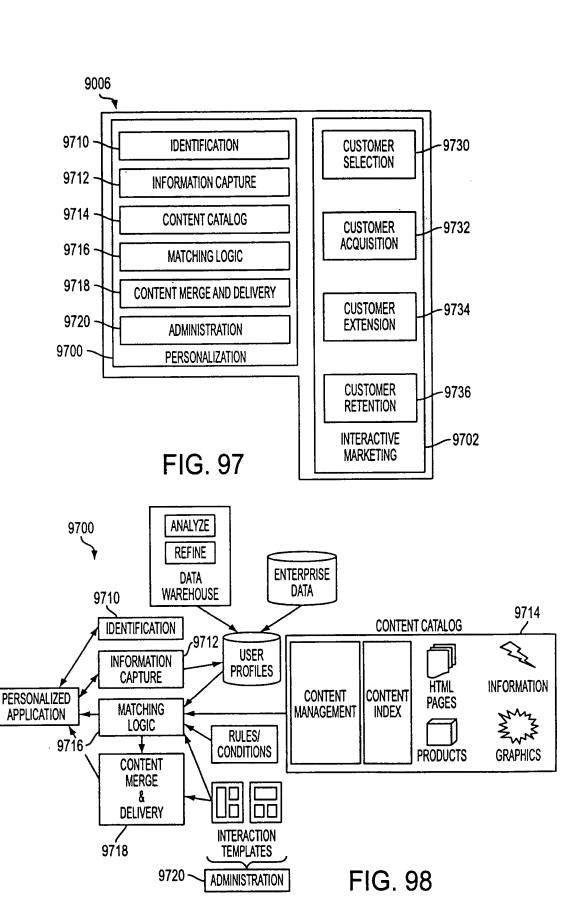


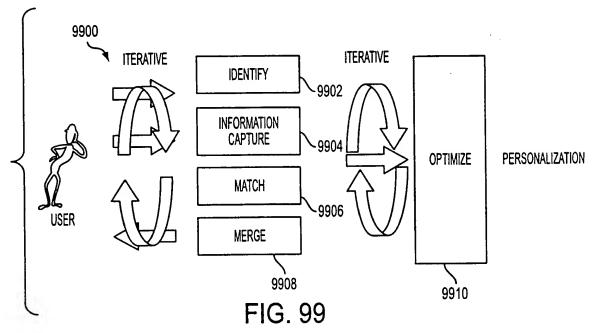
FIG. 96



USER







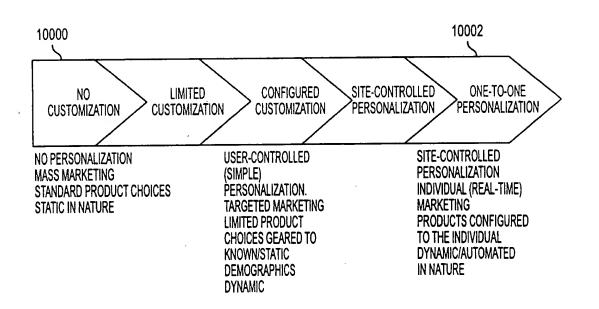


FIG. 100



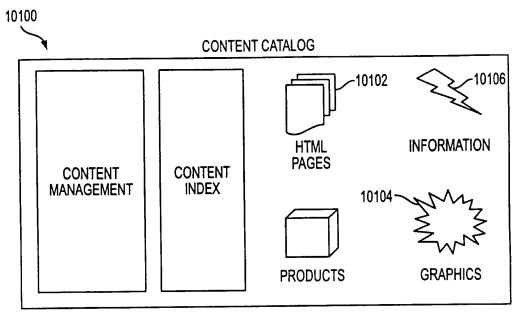
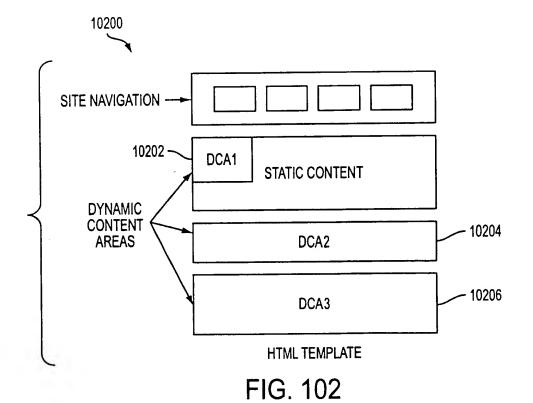
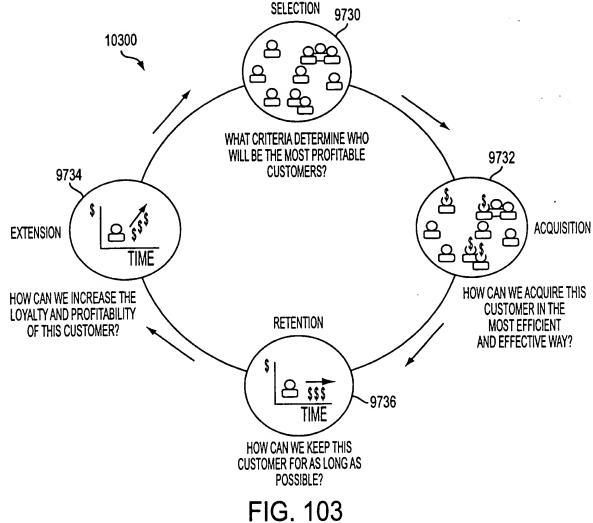
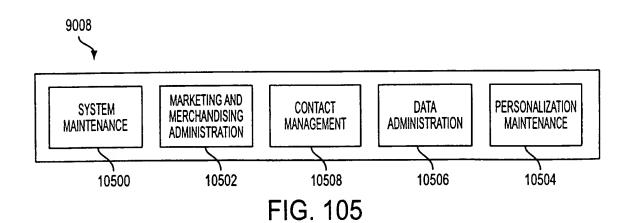


FIG. 101











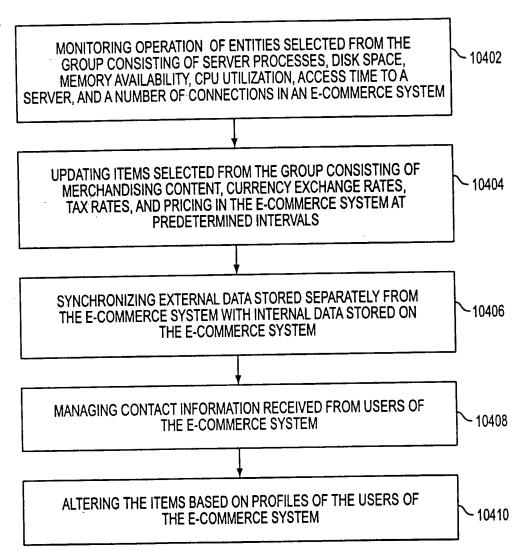


FIG. 104



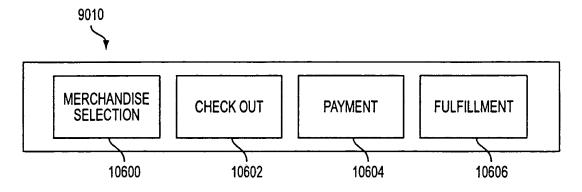


FIG. 106

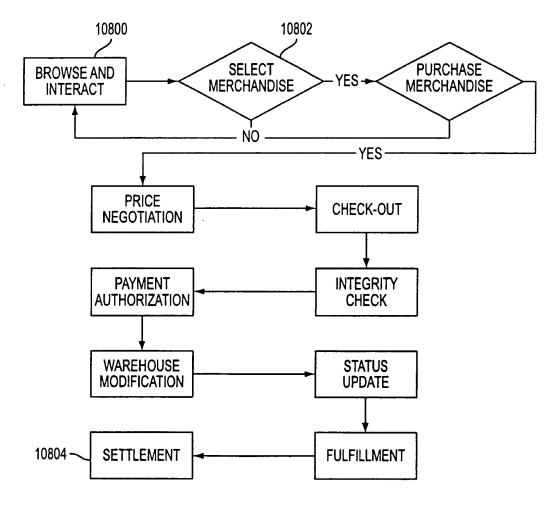


FIG. 108



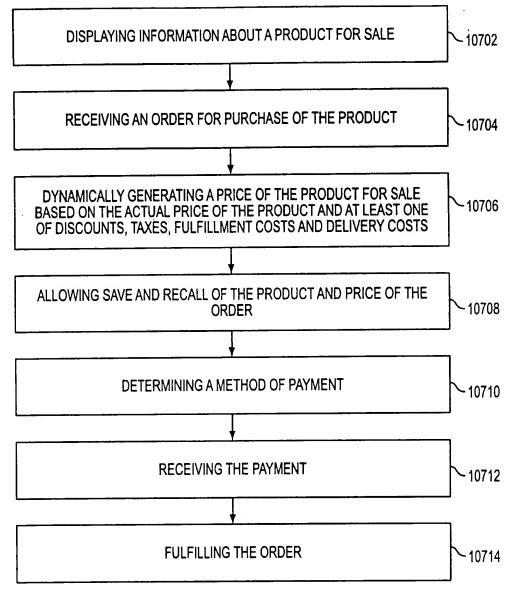


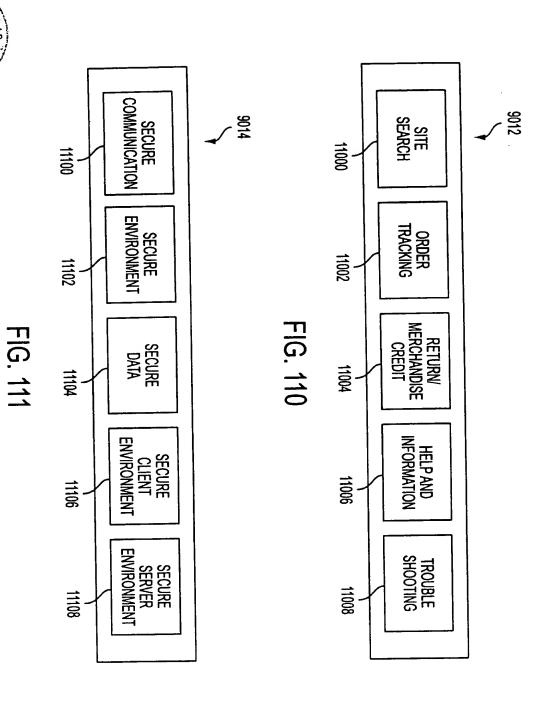
FIG. 107



10900 PROVIDING AN ABILITY TO SEARCH FOR INFORMATION ON THE -10902 **NETWORK VIA A SITE** DISPLAYING ORDER TRACKING INFORMATION FOR TRACKING AN ~10904 ORDER VIA THE SITE ALLOWING RETURN OF A PRODUCT VIA THE SITE, WHEREIN A -10906 PURCHASE PRICE IS REFUNDED TO A CUSTOMER EXECUTING A TRAINING APPLICATION PROGRAM FOR TRAINING A -10908 CUSTOMER IN USE OF THE SITE OVER THE NETWORK INTERACTING WITH THE CUSTOMER IN REAL-TIME VIA THE SITE **10910** BY ALLOWING THE CUSTOMER TO COMMUNICATE WITH A CUSTOMER SERVICE REPRESENTATIVE OVER THE NETWORK

FIG. 109







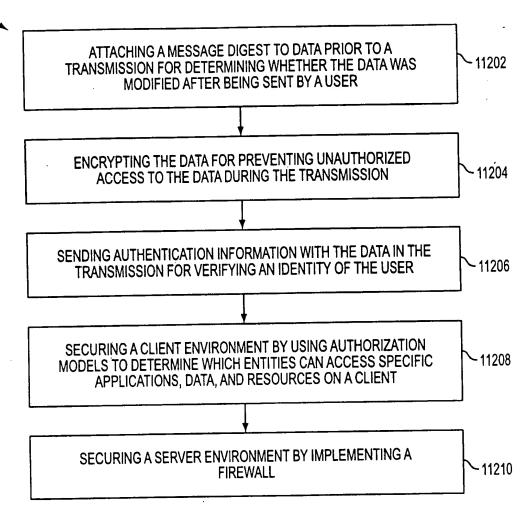


FIG. 112



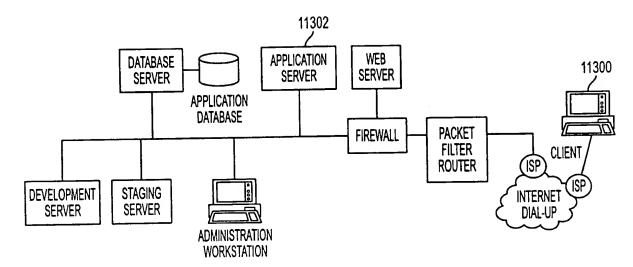


FIG. 113

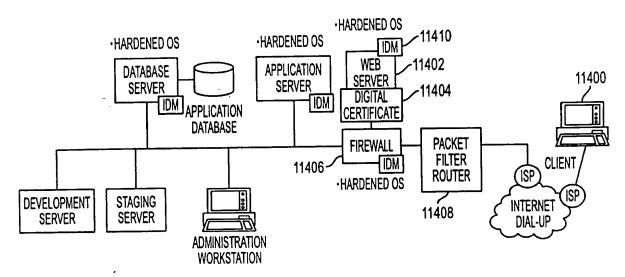
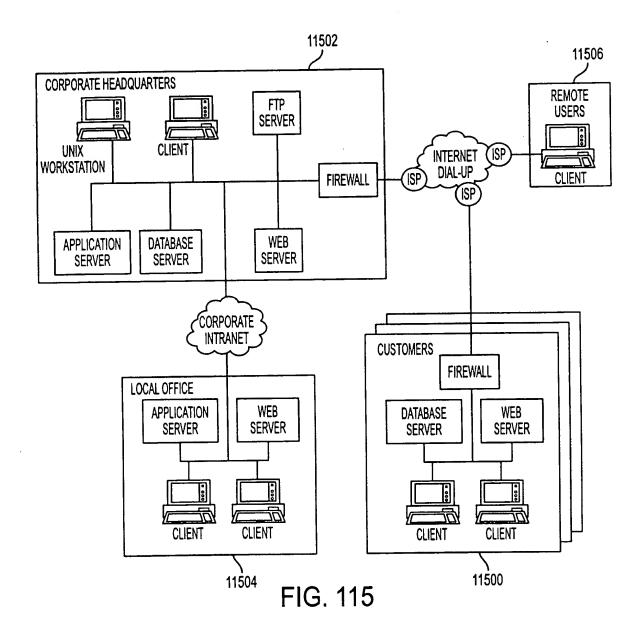
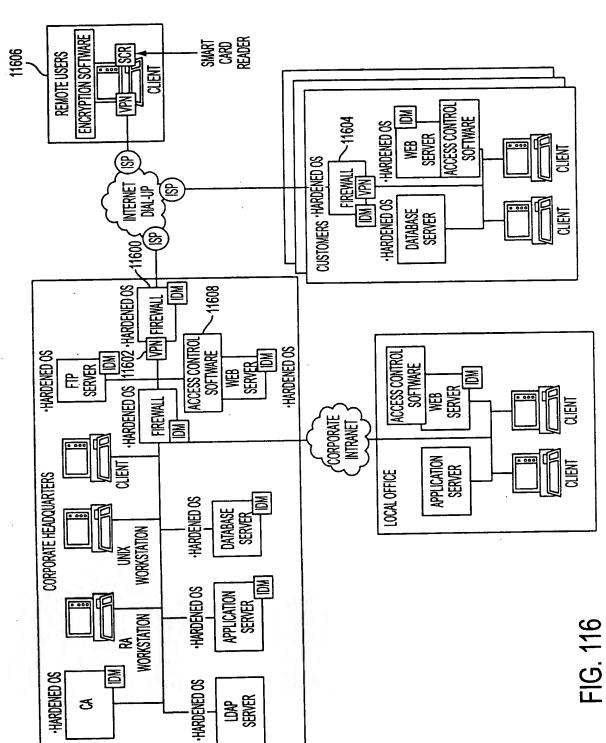


FIG. 114











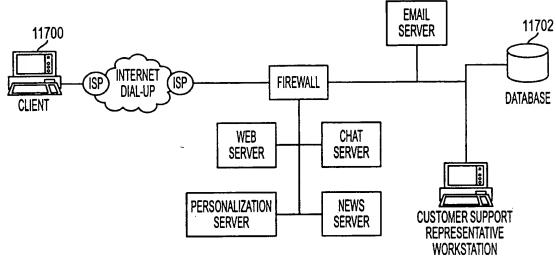
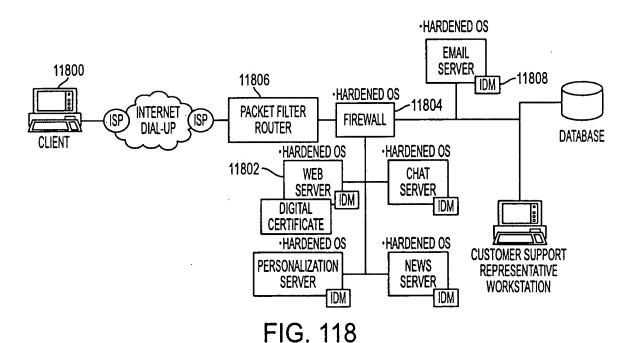
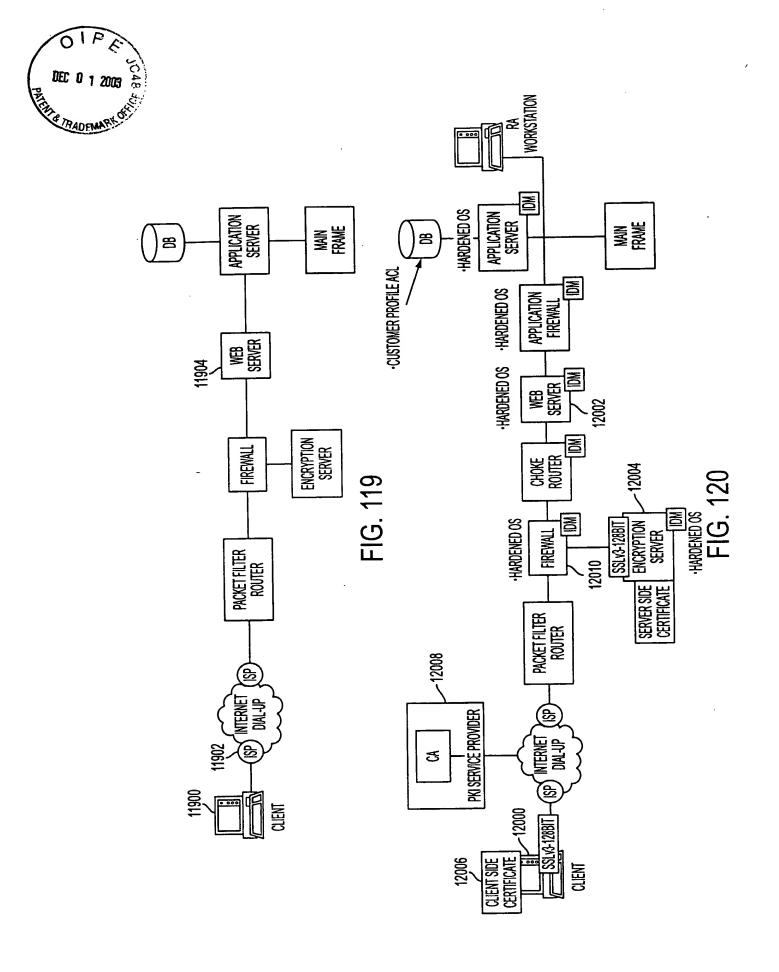


FIG. 117







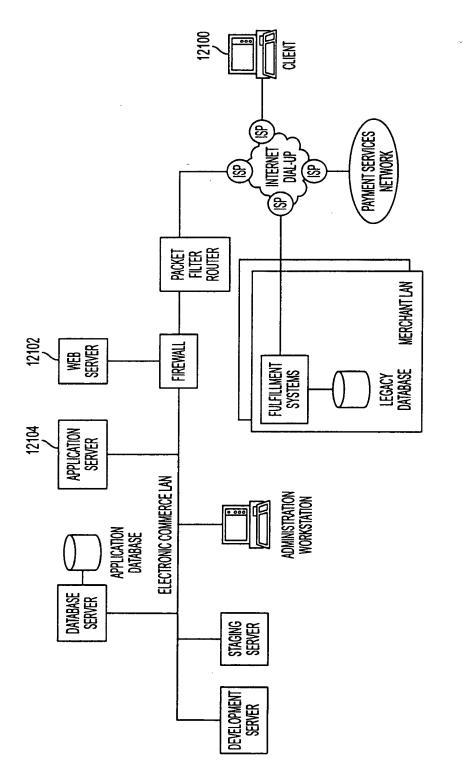


FIG. 121



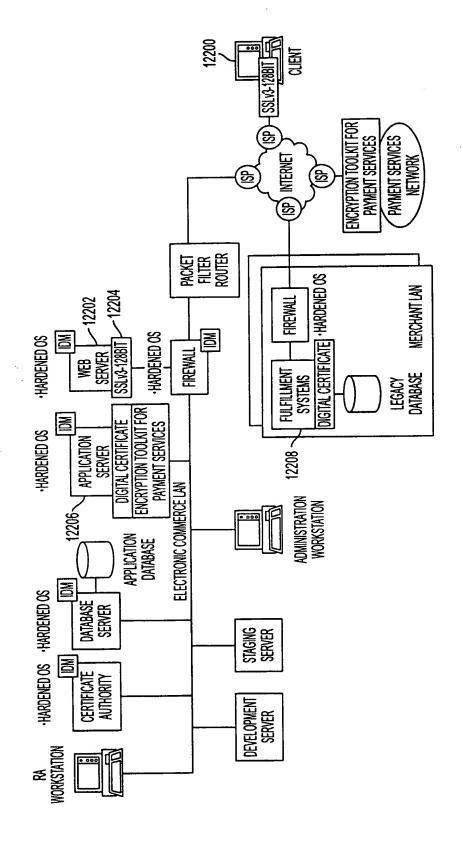


FIG. 122



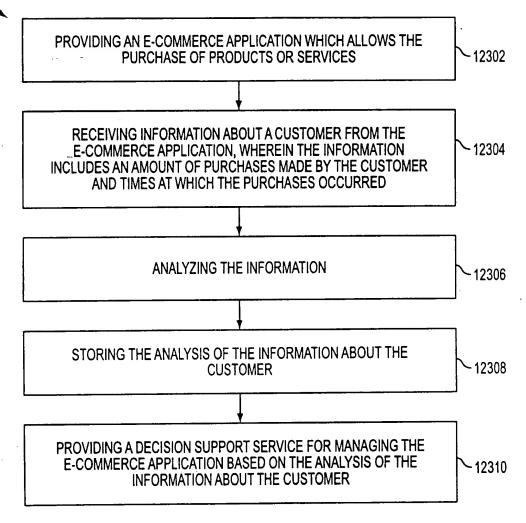
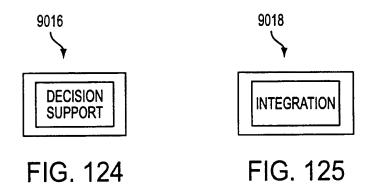


FIG. 123









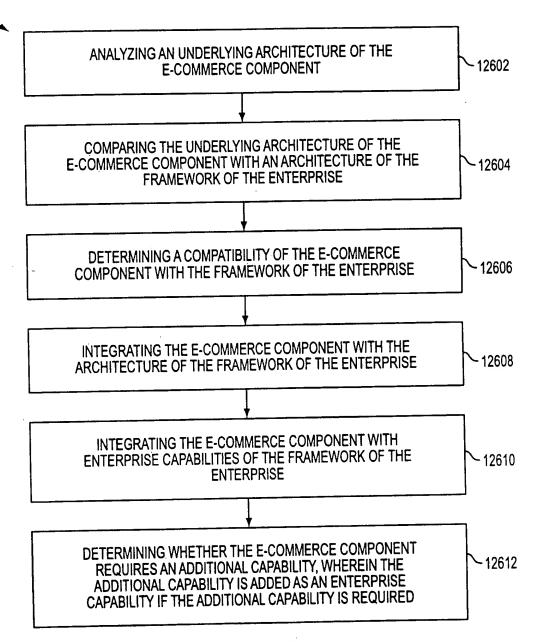
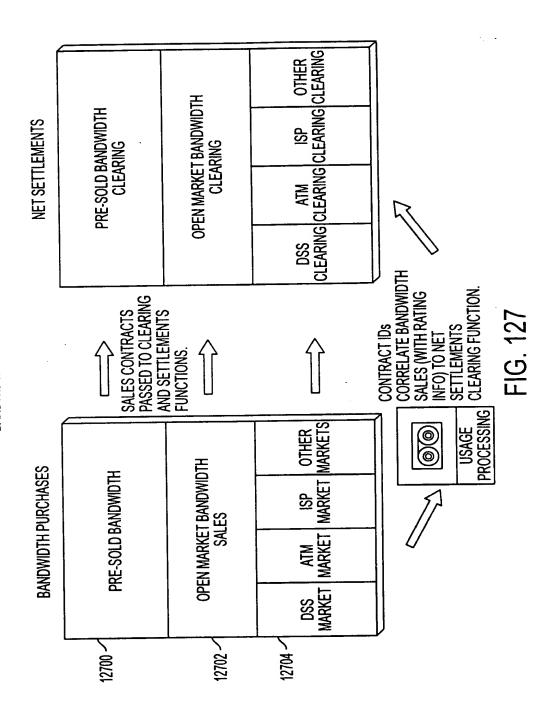


FIG. 126









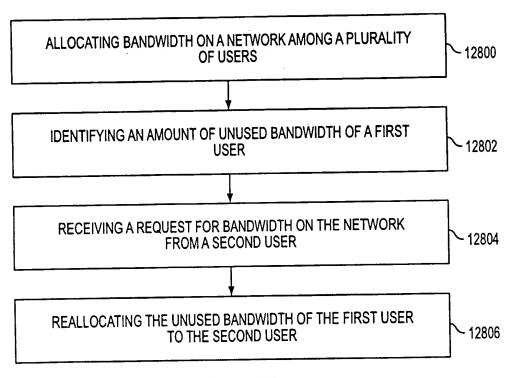


FIG. 128



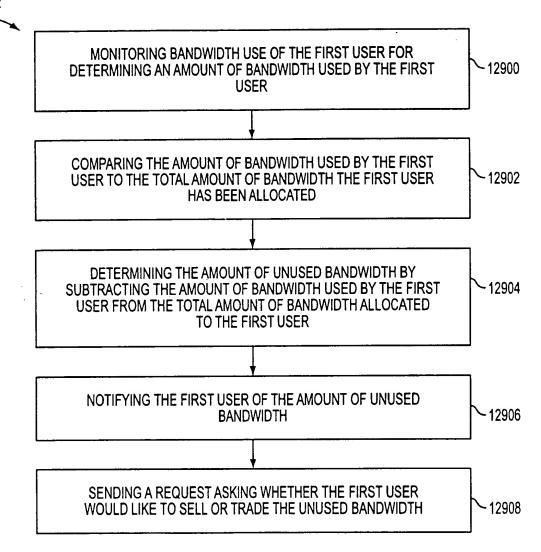


FIG. 129



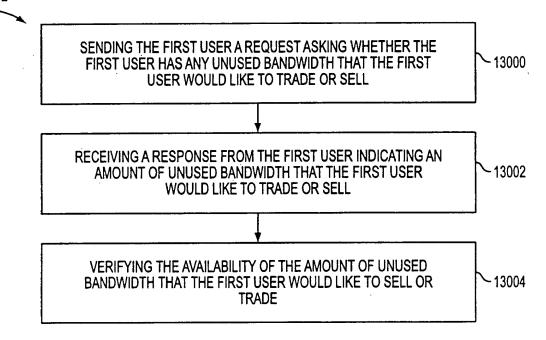


FIG. 130



RECEIVING NOTIFICATION OF AN AGREEMENT TO SELL UNUSED
BANDWIDTH FOR AN AMOUNT OF MONEY

13100

RECEIVING INFORMATION CONCERNING THE MANNER OF
PAYMENT

13102

VERIFYING THE TRANSFER OF THE AMOUNT OF MONEY

13104

REALLOCATING THE UNUSED BANDWIDTH OF THE FIRST USER
TO THE SECOND USER

13106

FIG. 131



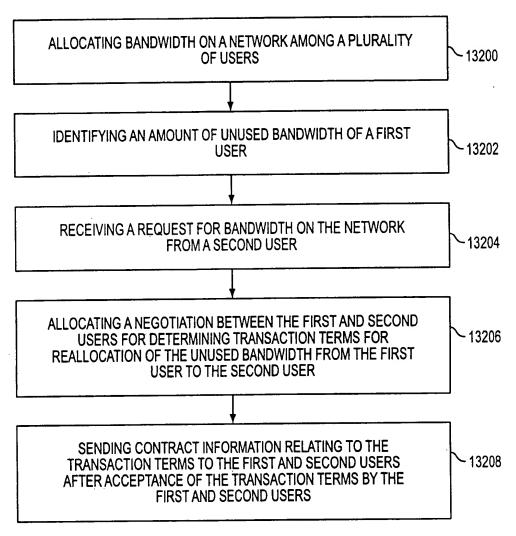
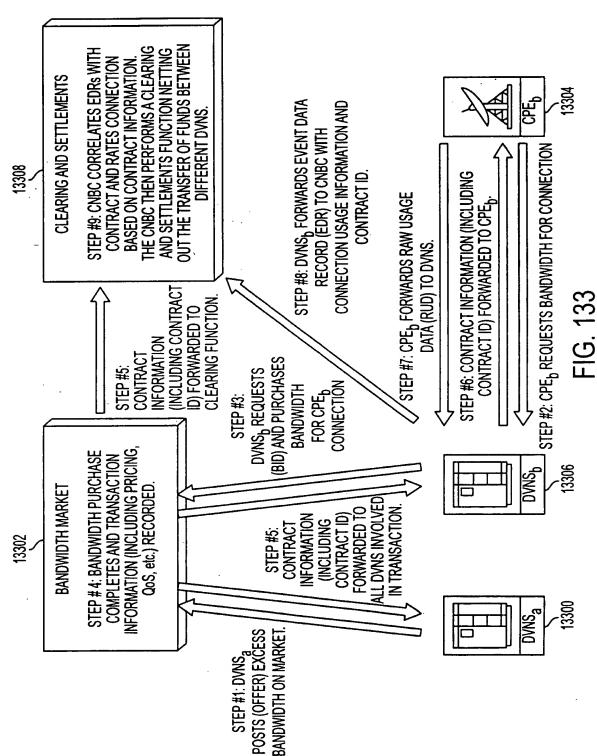


FIG. 132







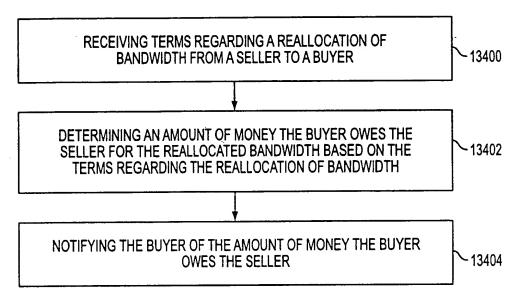
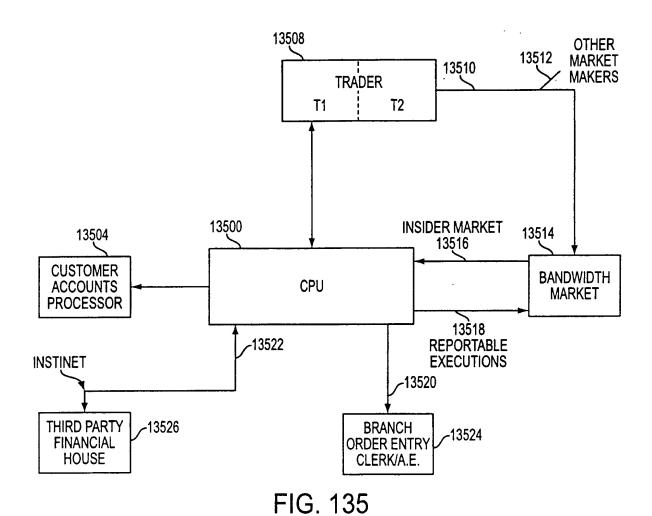
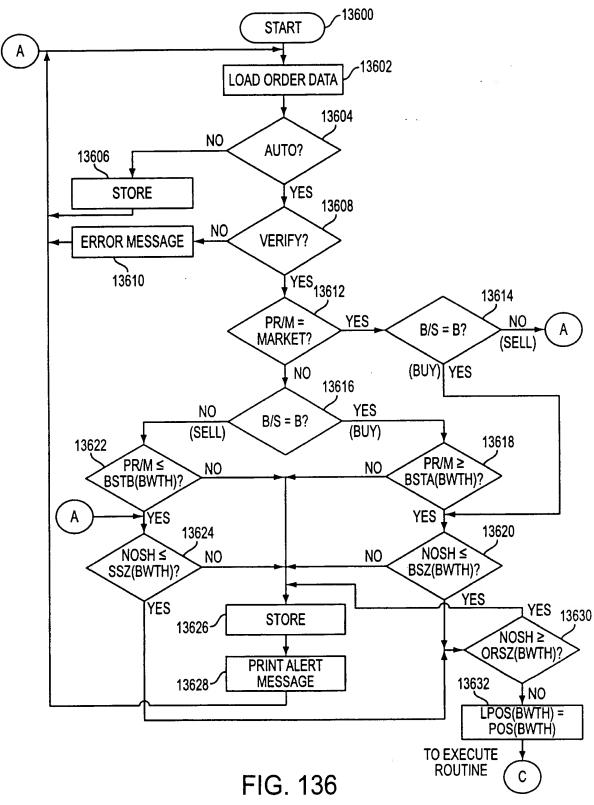


FIG. 134











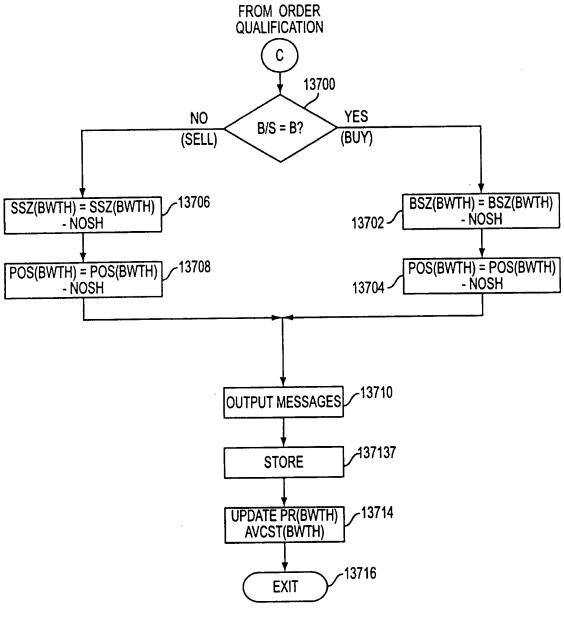


FIG. 137



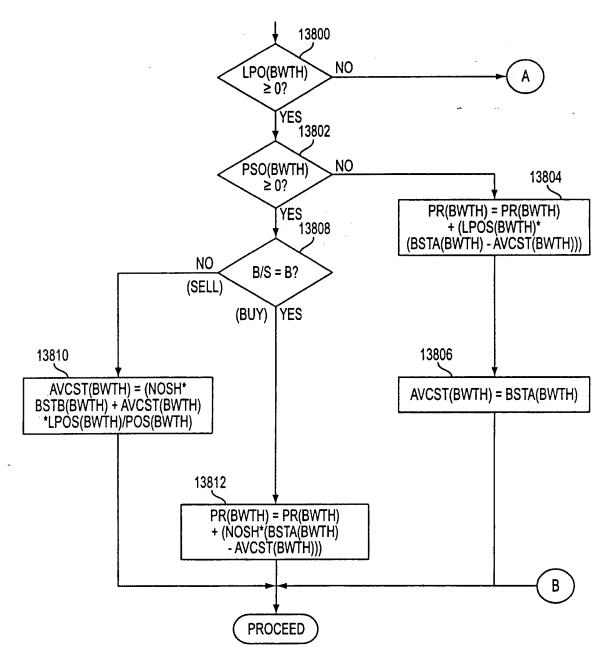


FIG. 138



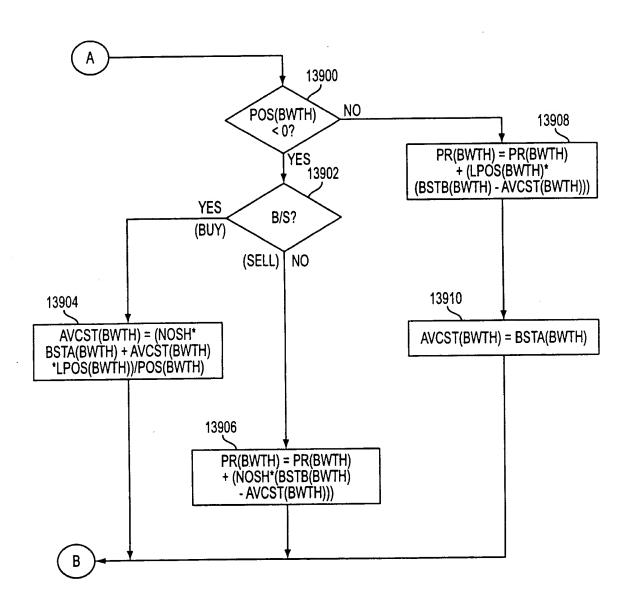


FIG. 139



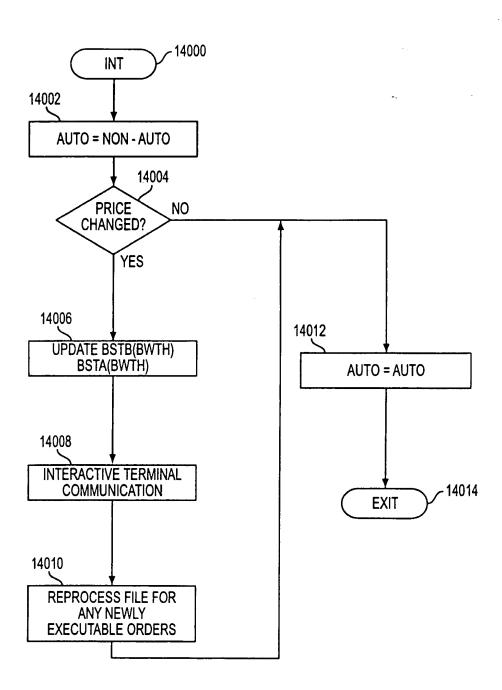


FIG. 140



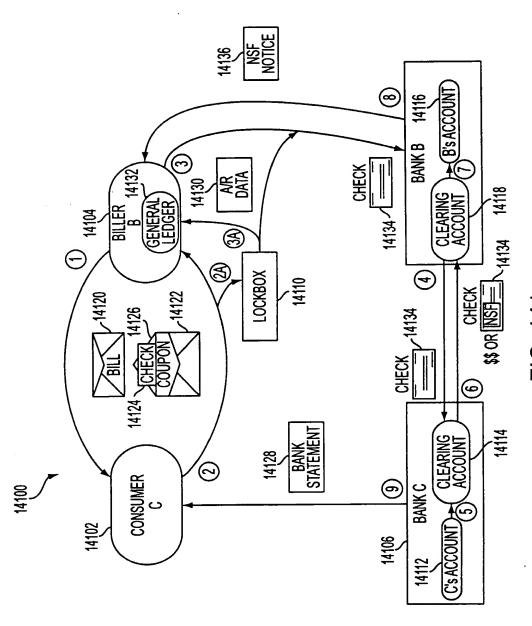
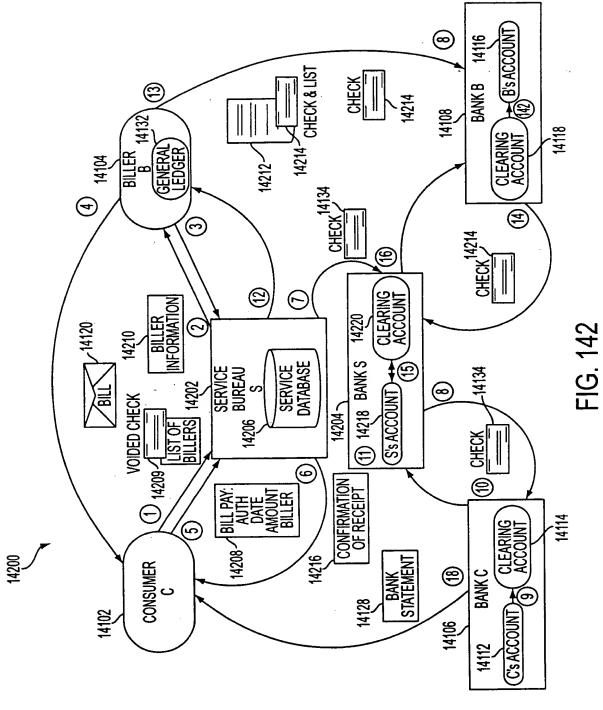


FIG. 141



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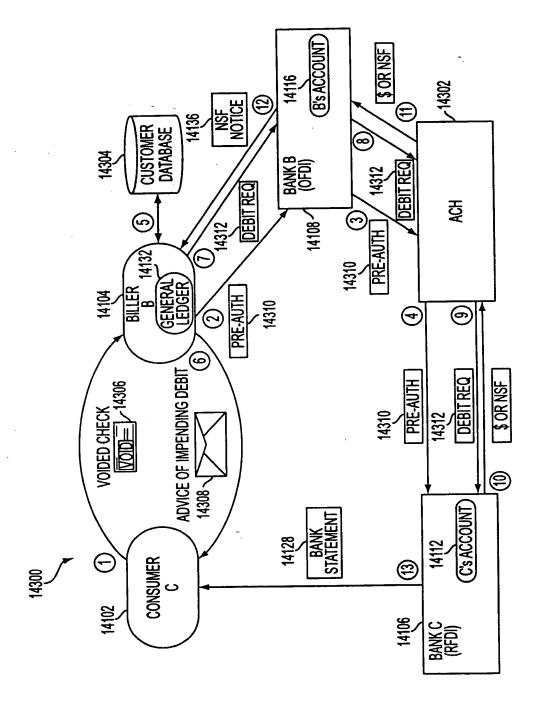


FIG. 143